

***Births to Black Mothers in
Massachusetts:
1997-2000***

***Volume II: Selected City and Town Data
Selected Boston Neighborhood Data***

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Technical Foreword

Focus of this report

This is a report about births to Black mothers in Massachusetts, including all births from 1997-2000 to women residing in Massachusetts who identified their race as Black. This is the third report of the Racial and Ethnic Minority Perinatal Health Series (following *Asian Births in Massachusetts: 1996-1997* and *Hispanic Births in Massachusetts: 1996-1999*). More significantly, this report is the first in which the Department of Public Health (MDPH) has reported on birth outcomes for detailed ethnicity groups of Black mothers and infants in Massachusetts.

Report Population

The race variable was used to identify mothers for inclusion in this report and only those mothers who selected 'Black' as their race were included for analysis. This report then utilizes the Ancestry/Ethnicity field from the birth certificate to select subgroups within those reporting Black as their race. (The actual question on the birth certificate reads: "Please check one box which you feel best describes the mother's ancestry." A list of 42 ancestry, or ethnicity, groups is available from which to choose.) Only ethnicity groups with more than 200 births between 1997-2000 were included in this report. In some cases, ethnicity categories were combined. The category "African American" in this report is a combination of two ethnicity groups: "African-American/Afro-American" and "American." In addition, ethnicity categories were combined on some city, town and neighborhood tables in order to create subgroups with an adequate number of births to provide stable statistics (footnotes are provided in these cases).

Specifically, this report provides descriptive statistics on births for eight ethnicity groups: *Cape Verdean, Haitian, Jamaican, Barbadian, Other West Indian/Caribbean Islander, African American¹, Nigerian and Other African*. In addition, mothers of Other African ancestry are further characterized by their country of birth. Volume I contains graphs and tables, and accompanying narrative, highlighting the key findings at the state level. Volume II contains data for 13 Massachusetts cities and towns and 10 Boston neighborhoods. Since most of the births to Black mothers (45%) occurred in the city of Boston, there were 10 Boston neighborhoods with sufficient numbers of births to Black mothers to present data by detailed ethnic groups. The decision of which ethnicity groups to include for each of the selected cities, towns, and neighborhoods was based on the numbers of births in an ethnicity group. The comparison group for these analyses is White non-Hispanic mothers since this group presents a numerically large group that has favorable birth outcomes.

combined on some city tables, creating an African category (Nigerian plus Other African).

¹ Includes mothers who selected either 'African-American/Afro-American' or 'American' as their ethnicity.

Purpose of the Report

The purpose of *Births to Black Mothers in Massachusetts: 1997-2000* is to provide data on birth-related characteristics for ethnic subgroups of Black mothers and infants in Massachusetts in order to: (1) understand more fully the specific characteristics and needs of Black subgroups in Massachusetts, and (2) to improve the ability of MDPH to target culturally appropriate services. Having these data better equips public health professionals to provide health services to communities and to more efficiently use resources in working towards the ultimate goal of reducing health disparities.

This report provides descriptive statistics. It is not within the scope of this report to provide more complex analyses of birth outcomes among Black women and infants. As such, this report does not provide measures of statistical significance. Rather, this report presents important baseline data on perinatal health characteristics and outcomes of Black mothers and infants in Massachusetts for 1997-2000.

Advisory Task Force

A *Black Births Report Task Force* was formed, comprising representatives from the community of Black health service providers and researchers to provide advisory support to this project. Specifically, the Task Force provided guidance on which specific ancestry groups to include in order to provide the maximum amount of information to the intended audience of program planners, community advocates and policy makers. The Task Force recommended using the Perinatal Periods of Risk Model (see Glossary for details) developed by the Federal Centers for Disease Control and Prevention (CDC) to examine fetal-infant mortality. The Task Force also suggested presenting data for Boston neighborhoods since the majority of Black mothers lived in the city of Boston.

Assignment of an Infant's Race/Ethnicity

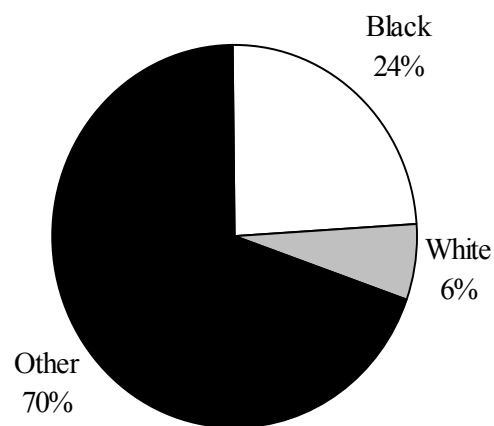
Prior to 1989, the race/ethnicity of an infant was assigned by combining information on the race/ethnicity of the mother and the race/ethnicity of the father. Since 1989, Massachusetts has followed the recommendation of the National Center for Health Statistics of classifying births according to the self-reported race/ethnicity of the mother. Therefore, beginning in 1989, the race/ethnicity of an infant is identical to the self-reported race/ethnicity of the infant's mother.

Notes on Hispanic and Cape Verdean Groups

Among Black mothers, only 397 births (1.7%) were to women who classified themselves as Hispanics. The largest Hispanic groups among Black mothers were Puerto Ricans (26%) and Dominicans (25%) followed by Other Central Americans (23%). All of these Hispanic groups had fewer than 200 births for the period between 1997-2000, and therefore did not meet the criteria for inclusion in this report. (Detailed information on births for all Hispanic subgroups is available in the report, *Hispanic Births in Massachusetts: 1996-1999*.)

As seen in Figure A.1, out of all mothers who identified their ethnicity as Cape Verdean, 70% identified their race as "Other" and only 24% identified their race as Black. It is important to note that only those Cape Verdean mothers who identified their race as Black were included in this report.

Figure A.1 Distribution of Cape Verdean Mothers by Race,
Massachusetts 1997-2000



Notes on Data Sources

All of the information on Massachusetts births contained in this report is based upon data extracted from the Massachusetts certificate of live birth. It is important to note that mothers select their own race and ethnicity on the birth certificate and that the infant's race and ethnicity are those of the mother. Chapter 7 of this report also contains data from Massachusetts infant birth certificates linked to death certificates (linked file), and from Massachusetts fetal death records. Information on race and ethnicity from the linked file is based on the birth certificate, and therefore is self-reported by the mother. The source of information on race and ethnicity from the fetal death record is variable, most often provided by parents or hospital admissions staff.

In the first chapter only, "Demographic Profile of Blacks in Massachusetts: 1980-2000", U.S. Census data are presented. A few limitations exist when using 2000 census data since inaccuracies in census counts, including for Blacks, are common. The net undercount is one measure of this inaccuracy. Two approaches are used to measure the

undercount¹. One method uses birth and death records, immigration records and previous censuses to estimate the true population. This estimate is compared to the census count to measure the difference. The Census Bureau also conducts special surveys to measure the undercount. A scientific sample of census blocks is re-interviewed independently of the census enumeration. The results of these interviews are checked against the census records on an individual basis to see who was missed and who was counted in error. However, underlying the steady improvement in the national average undercount is a persistent differential undercount for Hispanic Americans, Native Americans, Blacks, and Asian and Pacific Islanders. These groups tend to be undercounted more than White non-Hispanics due to social and geographic factors such as homelessness, English proficiency, etc. The Census Bureau estimated the 1990 net undercount in Massachusetts to be 0.5% but there were significant differences among minority groups. It was estimated that the undercount of Blacks in Massachusetts was 6.3%, while Whites were overcounted by 0.1%. Information on the estimated 2000 net undercount in Massachusetts was not available when this report was released.

1. *1993 Research Conference on Undercounted Ethnic Populations*. U.S. Bureau of the Census web page, <http://www.census.gov/dmd/www/pdf/understate.pdf>.

CITY AND TOWN TABLES

Notes:

1. Includes cities and towns with 200 or more births to Black mothers from 1997-2000.
2. Ethnicity groups included for each community table are those with > 80 births, 1997 to 2000.

Table B1.1 Mother's Demographic Characteristics by Ethnicity: Boston 1997-2000

	Haitian		Jamaican		Barbadian		Other West Indian/ Caribbean ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	1,515	100	553	100	139	100	501	100	11,023	100
U.S. born	41	2.7	19	3.4	11	7.9	56	11.3	9,011	81.8
Non - U.S. born ²	1,473	97.3	534	96.6	128	92.1	441	88.7	1,999	18.2
Age, in years										
<18	26	1.7	17	3.1	4	-- ⁴	8	1.6	123	1.1
18-19	54	3.6	25	4.5	8	5.8	27	5.4	295	2.7
20-24	234	15.4	119	21.5	28	20.1	101	20.2	1,185	10.8
25-29	383	25.3	142	25.7	32	23.0	133	26.5	2,720	24.7
30-34	407	26.9	147	26.6	41	29.5	131	26.1	4,102	37.2
35-39	324	21.4	83	15.0	26	18.7	85	17.0	2,100	19.1
40+	87	5.7	20	3.6	0	0.0	16	3.2	498	4.5
Education completed ³										
less than high school	177	12.4	45	8.8	2	-- ⁴	32	6.9	420	4.0
high school	596	41.6	202	39.5	62	48.8	199	42.7	2,370	22.4
some college	498	34.8	177	34.6	40	31.5	172	36.9	2,157	20.3
college graduate	131	9.1	66	12.9	17	13.4	49	10.5	3,348	31.6
more than college	31	2.2	21	4.1	6	4.7	14	3.0	2,307	21.8
Marital status										
married	935	61.7	236	42.7	60	43.2	240	47.9	8,691	78.9
not married	580	38.3	317	57.3	79	56.8	261	52.1	2,330	21.1
Language preference										
English	802	52.9	552	99.8	139	100.0	497	99.2	10,399	94.4
Portuguese	2	-- ⁴	0	0.0	0	0.0	0	0.0	204	1.9
Haitian Creole	656	43.3	0	0.0	0	0.0	2	-- ⁴	3	-- ⁴
Other	55	3.6	1	-- ⁴	0	0.0	2	-- ⁴	413	3.7

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Outside of the United States and U.S. Territories.

³ Women 20 years of age and older.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B1.1 (continued) Mother's Demographic Characteristics by Ethnicity: Boston 1997-2000

	African-American		Nigerian		Other African		Cape Verdean		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	6,313	100	240	100	408	100	256	100	11,023	100
U.S. born	6,051	96.0	10	4.2	14	3.4	47	18.4	9,011	81.8
Non - U.S. born ¹	253	4.0	229	95.8	394	96.6	208	81.6	1,999	18.2
Age, in years										
<18	498	7.9	1	-- ³	6	1.5	16	6.3	123	1.1
18-19	725	11.5	2	-- ³	7	1.7	26	10.2	295	2.7
20-24	1,690	26.8	14	5.8	84	20.6	63	24.6	1,185	10.8
25-29	1,547	24.5	69	28.8	121	29.7	75	29.3	2,720	24.7
30-34	1,187	18.8	108	45.0	112	27.5	48	18.8	4,102	37.2
35-39	541	8.6	38	15.8	61	15.0	22	8.6	2,100	19.1
40+	125	2.0	8	3.3	17	4.2	6	2.3	498	4.5
Education completed ²										
less than high school	608	12.0	5	2.1	61	15.6	37	17.3	420	4.0
high school	2,090	41.1	49	20.7	158	40.3	95	44.4	2,370	22.4
some college	1,740	34.2	81	34.2	111	28.3	57	26.6	2,157	20.3
college graduate	487	9.6	85	35.9	44	11.2	17	7.9	3,348	31.6
more than college	158	3.1	17	7.2	18	4.6	8	3.7	2,307	21.8
Marital status										
married	1,390	22.0	198	82.5	280	68.6	111	43.4	8,691	78.9
not married	4,923	78.0	42	17.5	128	31.4	145	56.6	2,330	21.1
Language preference										
English	6,284	99.5	222	92.5	279	68.6	168	65.6	10,399	94.4
Portuguese	1	-- ³	0	0.0	1	-- ³	75	29.3	204	1.9
Haitian Creole	2	-- ³	0	0.0	1	-- ³	3	-- ³	3	-- ³
Other	26	0.4	18	7.5	126	31.0	10	3.9	413	3.7

¹ Outside of the United States and U.S. Territories.

² Women 20 years of age and older.

³ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B1.2 Maternal Risk Factors by Ethnicity: Boston 1997-2000

	Haitian		Jamaican		Barbadian		Other West Indian/ Caribbean ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	1,515	100	553	100	139	100	501	100	11,023	100
Parity										
1	566	37.5	201	36.4	70	50.4	196	39.1	6,069	55.2
2-3	762	50.4	278	50.4	54	38.8	239	47.7	4,364	39.7
4+	183	12.1	73	13.2	15	10.8	66	13.2	566	5.1
Smoking prior to pregnancy										
yes	27	1.8	21	3.8	1	-- ⁵	24	4.8	1,814	16.5
no	1,488	98.2	532	96.2	138	99.3	477	95.2	9,206	83.5
Smoking during pregnancy										
yes	14	0.9	10	1.8	0	0.0	11	2.2	1,118	10.1
no	1,501	99.1	543	98.2	139	100.0	490	97.8	9,901	89.9
Cesarean section ²										
yes	408	26.9	119	21.7	44	31.7	101	20.2	2,350	21.4
no	1,106	73.1	430	78.3	95	68.3	399	79.8	8,647	78.6
Maternal conditions										
anemia	159	10.5	33	6.0	12	8.7	30	6.0	260	2.4
hypertension ³	98	6.5	43	7.8	10	7.2	38	7.6	581	5.3
diabetes ⁴	105	6.9	48	8.8	13	9.4	27	5.4	321	2.9
hepatitis B carrier	19	1.3	0	0.0	0	0.0	2	-- ⁵	10	0.1
eclampsia	54	3.6	18	3.3	0	0.0	13	2.6	147	1.3
Previous preterm or small for gestational age infant										
yes	14	0.9	3	-- ⁵	1	-- ⁵	6	1.2	46	0.4
no	1,498	99.1	545	99.5	137	99.3	494	98.8	10907	99.6

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

³ Includes both chronic and pregnancy-related hypertension.

⁴ Includes both gestational and other diabetes.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B1.2 (continued) Maternal Risk Factors by Ethnicity: Boston 1997-2000.

	African-American		Nigerian		Other African		Cape Verdean		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	6,313	100	240	100	408	100	256	100	11,023	100
Parity										
1	2,533	40.2	75	31.3	174	42.6	113	44.1	6,069	55.2
2-3	2,862	45.4	113	47.1	168	41.2	118	46.1	4,364	39.7
4+	908	14.4	52	21.7	66	16.2	25	9.8	566	5.1
Smoking prior to pregnancy										
yes	1,056	16.7	3	-- ⁴	6	1.5	12	4.7	1,814	16.5
no	5,251	83.3	237	98.8	401	98.5	244	95.3	9,206	83.5
Smoking during pregnancy										
yes	736	11.7	2	-- ⁴	1	-- ⁴	9	3.5	1,118	10.1
no	5,573	88.3	238	99.2	406	99.8	247	96.5	9,901	89.9
Cesarean section ¹										
yes	1,279	20.3	64	26.7	97	24.0	47	18.4	2,350	21.4
no	5,013	79.7	176	73.3	308	76.0	209	81.6	8,647	78.6
Maternal conditions										
anemia	587	9.3	19	7.9	28	6.9	14	5.5	260	2.4
hypertension ²	417	6.6	17	7.1	16	3.9	5	2.0	581	5.3
diabetes ³	280	4.5	12	5.0	17	4.2	4	-- ⁴	321	2.9
hepatitis B carrier	22	0.3	3	-- ⁴	3	-- ⁴	3	-- ⁴	10	0.1
eclampsia	184	2.9	10	4.2	13	3.2	4	-- ⁴	147	1.3
Previous preterm or small for gestational age infant										
yes	117	1.9	2	-- ⁴	2	-- ⁴	0	0.0	46	0.4
no	6173	98.1	238	99.2	404	99.5	256	100.0	10907	99.6

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Includes both chronic and pregnancy-related hypertension.

³ Includes both gestational and other diabetes.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B1.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Boston 1997-2000

	Haitian		Jamaican		Barbadian		Other West Indian/ Caribbean ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	1,515	100	553	100	139	100	501	100	11,023	100
Adequate prenatal care ²	986	66.2	419	76.5	104	77.6	350	70.6	9,296	84.8
Payment source ³										
private	535	35.4	304	55.1	70	50.4	228	45.7	8,586	78.1
public	960	63.5	243	44.0	66	47.5	267	53.5	2,254	20.5
self	8	0.5	2	-- ⁵	1	-- ⁵	2	-- ⁵	101	0.9
Site of care										
physician's office	312	20.7	148	27.3	36	26.3	119	23.8	5,930	54.4
hospital clinic	639	42.5	168	30.9	52	38.0	186	37.2	2,488	22.8
community health center	362	24.1	136	25.0	32	23.4	128	25.6	1,285	11.8
HMO/other	191	12.7	91	16.8	17	12.4	67	13.4	1,203	11.0
Breastfeeding ⁴										
yes	1,171	78.3	463	84.5	118	85.5	432	86.4	8,200	74.8
no	324	21.7	85	15.5	20	14.5	68	13.6	2,766	25.2
Pediatric provider named										
yes	1,386	91.5	494	89.3	124	89.2	447	89.2	10,441	94.7
no	129	8.5	59	10.7	15	10.8	54	10.8	582	5.3

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonwealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B1.3 (continued) Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Boston 1997-2000

	African-American		Nigerian		Other African		Cape Verdean		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	6,313	100	240	100	408	100	256	100	11,023	100
Adequate prenatal care ¹	4,397	70.8	172	72.9	286	71.1	178	70.9	9,296	84.8
Payment source ²										
private	2,220	35.2	104	43.3	150	36.8	110	43.0	8,586	78.1
public	4,018	63.8	131	54.6	249	61.0	140	54.7	2,254	20.5
self	21	0.3	3	-- ⁴	6	1.5	2	-- ⁴	101	0.9
Site of care										
physician's office	1,438	23.0	71	29.7	107	26.6	59	23.3	5,930	54.4
hospital clinic	2,380	38.1	117	49.0	211	52.5	94	37.2	2,488	22.8
community health center	1,546	24.8	24	10.0	46	11.4	68	26.9	1,285	11.8
HMO/other	878	14.1	27	11.3	38	9.5	32	12.6	1,203	11.0
Breastfeeding ³										
yes	3,773	60.5	200	84.4	358	88.4	195	76.2	8,200	74.8
no	2,459	39.5	37	15.6	47	11.6	61	23.8	2,766	25.2
Pediatric provider named										
yes	5,247	83.1	220	91.7	358	87.7	206	80.5	10,441	94.7
no	1,066	16.9	20	8.3	50	12.3	50	19.5	582	5.3

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B1.4 Infant Health Characteristics by Ethnicity: Boston 1997-2000

	Haitian		Jamaican		Barbadian		Other West Indian/ Caribbean ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	1,515	100	553	100	139	100	501	100	11,023	100
Birthweight (g)										
< 1,500	47	3.1	14	2.6	7	5.0	15	3.0	114	1.0
1,500-2,499	126	8.3	37	6.9	13	9.4	36	7.2	611	5.6
2,500-3,999	1,206	79.7	450	83.8	113	81.3	410	82.0	8,827	80.2
4,000+	135	8.9	50	3.4	6	4.3	39	7.8	1,453	13.2
Gestational age (weeks)										
< 32	51	3.4	13	2.4	7	5.0	20	4.0	121	1.1
32 - 36	134	8.9	46	8.3	13	9.4	31	6.2	719	6.5
37 - 42	1,316	87.2	492	89.1	118	84.9	450	89.8	10,124	92.1
43+	9	0.6	1	-- ²	1	-- ²	0	0.0	26	0.2
Singleton birth	1,471	97.1	535	96.7	130	93.5	481	96.0	10,539	95.6
Multiple birth	44	2.9	18	3.3	9	6.5	20	4.0	484	4.4
Sex of infant: female	771	50.9	273	49.4	70	50.4	249	49.7	5,348	48.5
Abnormal conditions of newborn	475	31.4	127	23.0	33	23.7	119	23.8	1,395	12.7
jaundice	170	11.5	52	9.5	13	9.4	42	8.5	598	5.5

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B1.4 (continued) Infant Health Characteristics by Ethnicity: Boston 1997-2000

	African-American		Nigerian		Other African		Cape Verdean		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	6,313	100	240	100	408	100	256	100	11,023	100
Birthweight (g)										
< 1,500	233	3.7	5	2.1	9	2.2	4	-- ¹	114	1.0
1,500-2,499	655	10.4	12	5.0	25	6.1	15	5.9	611	5.6
2,500-3,999	4,984	79.1	170	71.1	340	83.5	205	80.4	8,827	80.2
4,000+	431	6.8	52	0.8	33	8.1	31	12.2	1,453	13.2
Gestational age (weeks)										
< 32	242	3.8	6	2.5	11	2.7	4	-- ¹	121	1.1
32 - 36	643	10.2	19	7.9	28	6.9	13	5.1	719	6.5
37 - 42	5,391	85.6	213	89.1	365	89.7	236	92.5	10,124	92.1
43+	21	0.3	1	-- ¹	3	-- ¹	2	-- ¹	26	0.2
Singleton birth	6,074	96.2	231	96.3	391	95.8	251	98.0	10,539	95.6
Multiple birth	239	3.8	9	3.8	17	4.2	5	2.0	484	4.4
Sex of infant: female	3,124	49.5	111	46.3	209	51.2	112	43.8	5,348	48.5
Abnormal conditions of newborn	1,459	23.1	73	30.4	104	25.5	50	19.5	1,395	12.7
jaundice	539	8.7	20	8.6	45	11.2	27	10.5	598	5.5

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B2.1 Mother's Demographic Characteristics by Ethnicity: Brockton 1997-2000

	Cape Verdean		Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	166	100	420	100	689	100	2,753	100
U.S. born	27	16.3	19	4.5	672	97.5	2,599	94.4
Non - U.S. born ¹	139	83.7	401	95.5	17	2.5	154	5.6
Age, in years								
<18	7	4.2	4	-- ³	50	7.3	87	3.2
18-19	14	8.4	11	2.6	74	10.7	197	7.2
20-24	38	22.9	74	17.6	189	27.4	672	24.4
25-29	50	30.1	106	25.2	195	28.3	792	28.8
30-34	47	28.3	111	26.4	111	16.1	640	23.2
35-39	8	4.8	85	20.2	59	8.6	311	11.3
40+	2	-- ³	29	6.9	11	1.6	54	2.0
Education completed ²								
less than high school	48	33.3	33	8.1	65	11.5	276	11.2
high school	60	41.7	134	33.1	209	37.1	991	40.2
some college	28	19.4	192	47.4	229	40.6	830	33.7
college graduate	7	4.9	37	9.1	41	7.3	299	12.1
more than college	1	-- ³	9	2.2	20	3.5	70	2.8
Marital status								
married	61	36.7	289	68.8	188	27.3	1,533	55.7
not married	105	63.3	131	31.2	501	72.7	1,220	44.3
Language preference								
English	104	62.7	277	66.0	683	99.1	2,693	97.8
Portuguese	56	33.7	0	0.0	3	-- ³	39	1.4
Haitian Creole	1	-- ³	135	32.1	0	0.0	1	-- ³
Other	5	3.0	8	1.9	3	-- ³	20	0.7

¹ Outside of the United States and U.S. Territories.

² Women 20 years of age and older.

³ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Tot al numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B2.2 Maternal Risk Factors by Ethnicity: Brockton 1997-2000

	Cape Verdean		Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	166	100	420	100	689	100	2,753	100
Parity								
1	52	31.3	172	41.0	252	36.6	1,171	42.5
2-3	88	53.0	201	47.9	326	47.3	1,320	47.9
4+	26	15.7	47	11.2	111	16.1	262	9.5
Smoking prior to pregnancy								
yes	9	5.4	15	3.6	150	21.8	1,049	38.1
no	157	94.6	405	96.4	539	78.2	1,701	61.9
Smoking during pregnancy								
yes	4	-- ⁴	10	2.4	94	13.6	702	25.5
no	162	97.6	410	97.6	595	86.4	2,048	74.5
Cesarean section ¹								
yes	33	19.9	138	32.9	133	19.3	607	22.1
no	133	80.1	282	67.1	556	80.7	2,145	77.9
Maternal conditions								
anemia	1	-- ⁴	14	3.3	21	3.0	19	0.7
hypertension ²	4	-- ⁴	26	6.2	32	4.6	84	3.1
diabetes ³	1	-- ⁴	35	8.4	24	3.5	88	3.2
hepatitis B carrier	2	-- ⁴	2	-- ⁴	3	-- ⁴	5	0.2
eclampsia	3	-- ⁴	7	1.7	12	1.7	16	0.6
Previous preterm or small for gestational age infant								
yes	4	-- ⁴	6	1.4	17	2.5	32	1.2
no	162	97.6	413	98.6	672	97.5	2,718	98.8

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Includes both chronic and pregnancy-related hypertension.

³ Includes both gestational and other diabetes.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Tot al numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B2.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Brockton 1997-2000

	Cape Verdean		Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	166	100	420	100	689	100	2,753	100
Adequate prenatal care ¹	85	51.5	241	57.7	415	60.7	2,005	73.1
Payment source ²								
private	56	33.7	192	45.7	266	38.7	1,657	60.2
public	103	62.0	225	53.6	412	59.9	1,068	38.8
self	5	3.0	3	-- ⁴	7	1.0	20	0.7
Site of care								
physician's office	136	82.4	316	76.0	531	77.9	2,561	93.5
hospital clinic	11	6.7	45	10.8	70	10.3	77	2.8
community health center	14	8.5	33	7.9	38	5.6	34	1.2
HMO/other	4	-- ⁴	22	5.3	43	6.3	67	2.4
Breastfeeding ³								
yes	119	72.1	327	77.9	384	55.7	1,443	52.4
no	46	27.9	93	22.1	305	44.3	1,309	47.6
Pediatric provider named								
yes	163	98.2	401	95.5	666	96.7	2,716	98.7
no	3	-- ⁴	19	4.5	23	3.3	37	1.3

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Tot al numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B2.4 Infant Health Characteristics by Ethnicity: Brockton 1997-2000.

	Cape Verdean		Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	166	100	420	100	689	100	2,753	100
Birthweight (g)								
< 1,500	4	-- ¹	20	4.8	22	3.2	46	1.7
1,500-2,499	12	7.2	37	8.8	69	10.0	173	6.3
2,500-3,999	135	81.3	332	79.0	554	80.4	2,233	81.1
4,000+	15	9.0	31	18.7	44	6.4	300	10.9
Gestational age (weeks)								
< 32	4	-- ¹	16	3.8	23	3.3	49	1.8
32 - 36	12	7.2	35	8.3	67	9.7	191	6.9
37 - 42	150	90.4	369	87.9	599	86.9	2,506	91.1
43+	0	0.0	0	0.0	0	0.0	4	-- ¹
Singleton birth	164	98.8	404	96.2	663	96.2	2,663	96.7
Multiple birth	2	-- ¹	16	3.8	26	3.8	90	3.3
Sex of infant: female	82	49.4	207	49.3	342	49.6	1,339	48.6
Abnormal conditions of newborn	7	4.2	44	10.5	66	9.6	117	4.2
jaundice	4	-- ¹	9	2.2	24	3.5	56	2.0

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Tot al numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B3.1 Mother's Demographic Characteristics by Ethnicity: Lynn 1997-2000

	Haitian		African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	122	100	386	100	148	100	2,583	100
U.S. born	8	6.6	365	94.6	4	-- ⁴	2,364	91.6
Non - U.S. born ²	114	93.4	21	5.4	143	97.3	218	8.4
Age, in years								
<18	0	0.0	30	7.8	0	0.0	90	3.5
18-19	7	5.7	55	14.2	2	-- ⁴	163	6.3
20-24	23	18.9	107	27.7	20	13.5	502	19.4
25-29	32	26.2	85	22.0	44	29.7	761	29.5
30-34	44	36.1	67	17.4	49	33.1	677	26.2
35-39	14	11.5	36	9.3	28	18.9	335	13.0
40+	2	-- ⁴	6	1.6	5	3.4	55	2.1
Education completed ³								
less than high school	11	9.6	48	15.9	11	7.5	193	8.3
high school	35	30.4	115	38.2	32	21.9	868	37.3
some college	50	43.5	108	35.9	54	37.0	750	32.2
college graduate	15	13.0	26	8.6	38	26.0	399	17.1
more than college	4	-- ⁴	4	-- ⁴	11	7.5	120	5.2
Marital status								
married	77	63.1	92	23.8	107	72.3	1,622	62.8
not married	45	36.9	294	76.2	41	27.7	961	37.2
Language preference								
English	83	68.0	383	99.2	120	81.1	2,499	96.7
Portuguese	0	0.0	0	0.0	0	0.0	27	1.0
Haitian Creole	37	30.3	0	0.0	0	0.0	0	0.0
Other	2	-- ⁴	3	-- ⁴	28	7.3	57	2.2

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Outside of the United States and U.S. Territories.

³ Women 20 years of age and older.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Tot al numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B3.2 Maternal Risk Factors by Ethnicity: Lynn 1997-2000

	Haitian		African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	122	100	386	100	148	100	2,583	100
Parity								
1	53	43.4	145	37.7	65	43.9	1,097	42.6
2-3	60	49.2	182	47.3	62	41.9	1,267	49.1
4+	9	7.4	58	15.1	21	14.2	214	8.3
Smoking prior to pregnancy								
yes	2	-- ⁵	148	38.3	3	-- ⁵	943	36.5
no	120	98.4	238	61.7	145	98.0	1,638	63.5
Smoking during pregnancy								
yes	1	-- ⁵	106	27.5	1	-- ⁵	620	24.0
no	121	99.2	280	72.5	147	99.3	1,961	76.0
Cesarean section ²								
yes	25	20.5	82	21.2	44	29.7	602	23.4
no	97	79.5	304	78.8	104	70.3	1,974	76.6
Maternal conditions								
anemia	3	-- ⁵	12	3.1	12	8.1	6	0.2
hypertension ³	2	-- ⁵	16	4.1	5	3.4	43	1.7
diabetes ⁴	6	4.9	10	2.6	4	-- ⁵	44	1.7
hepatitis B carrier	0	0.0	0	0.0	6	4.1	2	-- ⁵
eclampsia	1	-- ⁵	5	1.3	4	-- ⁵	13	0.5
Previous preterm or small for gestational age infant								
yes	1	-- ⁵	5	1.3	0	0.0	7	0.3
no	121	99.2	381	98.7	148	100.0	2,568	99.7

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

³ Includes both chronic and pregnancy-related hypertension.

⁴ Includes both gestational and other diabetes.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Tot al numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B3.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Lynn 1997-2000

	Haitian		African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	122	100	386	100	148	100	2,583	100
Adequate prenatal care ²	82	68.9	254	65.8	93	63.3	1,920	74.7
Payment source ³								
private	53	42.7	117	30.5	61	41.2	1,574	61.1
public	66	53.2	264	68.8	81	54.7	936	36.4
self	2	-- ⁵	2	-- ⁵	3	-- ⁵	10	0.4
Site of care								
physician's office	52	43.0	172	45.3	56	37.8	1,994	78.0
hospital clinic	24	19.8	63	16.6	41	27.7	219	8.6
community health center	21	17.4	93	24.5	26	17.6	193	7.5
HMO/other	24	19.8	52	13.7	25	16.9	152	5.9
Breastfeeding ⁴								
yes	105	86.1	214	55.4	124	84.4	1,375	53.4
no	17	13.9	172	44.6	23	15.6	1,200	46.6
Pediatric provider named								
yes	115	94.3	370	95.9	142	95.9	2,545	98.5
no	7	5.7	16	4.1	6	4.1	38	1.5

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B3.4 Infant Health Characteristics by Ethnicity: Lynn 1997-2000

	Haitian		African-American		African ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	122	100	386	100	148	100	2,583	100
Birthweight (g)								
< 1,500	5	4.1	9	2.3	4	-- ²	43	1.7
1,500-2,499	7	5.7	35	9.1	12	8.1	152	5.9
2,500-3,999	98	80.3	317	82.1	114	77.0	2,042	79.2
4,000+	12	9.8	25	20.5	18	12.2	341	13.2
Gestational age (weeks)								
< 32	7	5.7	10	2.6	4	-- ²	43	1.7
32 - 36	3	-- ²	27	7.0	13	8.8	174	6.7
37 - 42	112	91.8	349	90.4	130	87.8	2,359	91.5
43+	0	0.0	0	0.0	1	-- ²	2	-- ²
Singleton birth	120	98.4	372	96.4	140	94.6	2,473	95.7
Multiple birth	2	-- ²	14	3.6	8	5.4	110	4.3
Sex of infant: female	64	52.5	174	45.1	78	52.7	1,270	49.2
Abnormal conditions of newborn	17	13.9	36	9.3	30	20.3	127	4.9
jaundice	2	-- ²	11	2.8	9	6.1	38	1.5

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Tot al numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B4.1 Mother's Demographic Characteristics by Ethnicity: Cambridge 1997-2000

	Haitian		African-American		African ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	221	100	233	100	111	100	2,439	100
U.S. born	13	5.9	223	95.7	4	-- ⁴	1,800	73.8
Non - U.S. born ²	208	94.1	10	4.3	107	96.4	639	26.2
Age, in years								
<18	5	2.3	6	2.6	1	-- ⁴	13	0.5
18-19	11	5.0	27	11.6	0	0.0	30	1.2
20-24	42	19.0	63	27.0	17	15.3	153	6.3
25-29	49	22.2	42	18.0	25	22.5	494	20.3
30-34	53	24.0	57	24.5	40	36.0	927	38.0
35-39	48	21.7	29	12.4	19	17.1	603	24.7
40+	13	5.9	9	3.9	9	8.1	219	9.0
Education completed ³								
less than high school	38	18.6	19	9.5	13	11.8	59	2.5
high school	78	38.2	62	31.0	51	46.4	258	10.8
some college	73	35.8	76	38.0	18	16.4	229	9.6
college graduate	13	6.4	26	13.0	20	18.2	775	32.3
more than college	2	-- ⁴	17	8.5	8	7.3	1,075	44.9
Marital status								
married	127	57.5	62	26.6	99	89.2	2,162	88.6
not married	94	42.5	171	73.4	12	10.8	277	11.4
Language preference								
English	102	46.2	232	99.6	68	61.3	2,253	92.4
Portuguese	0	0.0	0	0.0	1	-- ⁴	55	2.3
Haitian Creole	110	49.8	0	0.0	0	0.0	0	0.0
Other	9	4.1	1	-- ⁴	42	37.8	131	5.4

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Outside of the United States and U.S. Territories.

³ Women 20 years of age and older.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Tot al numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B4.2 Maternal Risk Factors by Ethnicity: Cambridge 1997-2000

	Haitian		African-American		African ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	221	100	233	100	111	100	2,439	100
Parity								
1	89	40.3	102	43.8	40	36.0	1,480	60.8
2-3	101	45.7	107	45.9	57	51.4	911	37.4
4+	31	14.0	24	10.3	14	12.6	43	1.8
Smoking prior to pregnancy								
yes	3	-- ⁵	38	16.3	1	-- ⁵	213	8.7
no	218	98.6	195	83.7	110	99.1	2,224	91.3
Smoking during pregnancy								
yes	2	-- ⁵	24	10.3	0	0.0	110	4.5
no	219	99.1	209	89.7	111	100.0	2,327	95.5
Cesarean section ²								
yes	56	25.3	54	23.2	25	22.7	481	19.8
no	165	74.7	179	76.8	85	77.3	1,948	80.2
Maternal conditions								
anemia	23	10.4	16	6.9	4	-- ⁵	33	1.4
hypertension ³	8	3.6	12	5.2	4	-- ⁵	99	4.1
diabetes ⁴	14	6.3	12	5.2	7	6.4	62	2.6
hepatitis B carrier	4	-- ⁵	0	0.0	2	-- ⁵	3	-- ⁵
eclampsia	2	-- ⁵	0	0.0	7	6.4	12	0.5
Previous preterm or small for gestational age infant								
yes	4	-- ⁵	4	-- ⁵	0	0.0	9	0.4
no	217	98.2	229	98.3	110	100.0	2,416	99.6

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

³ Includes both chronic and pregnancy-related hypertension.

⁴ Includes both gestational and other diabetes.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Tot al numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B4.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Cambridge 1997-2000

	Haitian		African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	221	100	233	100	111	100	2,439	100
Adequate prenatal care ²	131	59.8	184	79.3	75	68.2	2,095	86.5
Payment source ³								
private	119	53.8	131	56.2	62	55.9	2,197	90.4
public	94	42.5	98	42.1	45	40.5	192	7.9
self	7	3.2	3	-- ⁵	4	-- ⁵	33	1.4
Site of care								
physician's office	47	21.3	76	32.8	39	35.5	1,443	59.5
hospital clinic	103	46.6	68	29.3	53	48.2	481	19.8
community health center	44	19.9	32	13.8	7	6.4	93	3.8
HMO/other	27	12.2	56	24.1	11	10.0	407	16.8
Breastfeeding ⁴								
yes	195	88.6	179	76.8	102	91.9	2,191	90.1
no	25	11.4	54	23.2	9	8.1	242	9.9
Pediatric provider named								
yes	211	95.5	221	94.8	100	90.1	2,344	96.1
no	10	4.5	12	5.2	11	9.9	95	3.9

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B4.4 Infant Health Characteristics by Ethnicity: Cambridge 1997-2000

	Haitian		African-American		African ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	221	100	233	100	111	100	2,439	100
Birthweight (g)								
< 1,500	2	-- ²	17	7.3	3	-- ²	32	1.3
1,500-2,499	17	7.7	17	7.3	9	8.1	123	5.0
2,500-3,999	185	83.7	185	79.4	91	82.0	1,944	79.8
4,000+	17	7.7	14	6.3	8	7.2	337	13.8
Gestational age (weeks)								
< 32	1	-- ²	15	6.4	2	-- ²	32	1.3
32 - 36	16	7.2	16	6.9	8	7.2	132	5.4
37 - 42	203	91.9	202	86.7	101	91.0	2,263	93.0
43+	1	-- ²	0	0.0	0	0.0	7	0.3
Singleton birth	213	96.4	219	94.0	102	91.9	2,301	94.3
Multiple birth	8	3.6	14	6.0	9	8.1	138	5.7
Sex of infant: female	103	46.6	130	55.8	53	47.7	1,171	48.0
Abnormal conditions of newborn	23	10.4	32	13.7	14	12.6	202	8.3
jaundice	5	2.3	11	4.7	11	10.0	93	3.8

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B5.1 Mother's Demographic Characteristics by Ethnicity: Springfield and Worcester 1997-2000.

	<u>Springfield</u>						<u>Worcester</u>					
	Jamaican		African-American		White Non-Hispanic		African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	186	100	1,826	100	3,282	100	464	100	336	100	5,520	100
U.S. born	27	14.5	1,803	98.7	3,054	93.1	433	93.3	5	1.5	5,013	90.8
Non - U.S. born ²	159	85.5	23	1.3	226	6.9	31	6.7	331	98.5	505	9.2
Age, in years												
<18	10	5.4	167	9.1	112	3.4	42	9.1	1	-- ⁴	137	2.5
18-19	12	6.5	219	12.0	231	7.0	64	13.8	6	1.8	325	5.9
20-24	65	34.9	549	30.1	741	22.6	133	28.7	53	15.8	1,180	21.4
25-29	41	22.0	428	23.4	942	28.7	111	23.9	101	30.1	1,677	30.4
30-34	28	15.1	293	16.0	786	23.9	69	14.9	117	34.8	1,432	25.9
35-39	23	12.4	140	7.7	379	11.5	39	8.4	48	14.3	638	11.6
40+	7	3.8	30	1.6	91	2.8	6	1.3	10	3.0	130	2.4
Education completed ³												
less than high school	25	15.2	196	13.7	270	9.2	60	16.8	23	7.0	423	8.4
high school	66	40.2	637	44.4	1,039	35.4	143	39.9	142	43.2	1,629	32.2
some college	61	37.2	500	34.8	980	33.4	126	35.2	115	35.0	1,461	28.9
college graduate	10	6.1	78	5.4	454	15.5	20	5.6	41	12.5	1,089	21.5
more than college	2	-- ⁴	24	1.7	194	6.6	9	2.5	8	2.4	454	9.0
Marital status												
married	60	32.3	414	22.7	2,033	61.9	120	25.9	196	58.3	3,691	66.9
not married	126	67.7	1,412	77.3	1,249	38.1	344	74.1	140	41.7	1,828	33.1
Language preference												
English	185	99.5	1,822	99.8	3,201	97.5	463	99.8	331	98.5	5,450	98.7
Portuguese	0	0.0	0	0.0	5	0.2	0	0.0	0	0.0	18	0.3
Haitian Creole	1	-- ⁴	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other	0	0.0	4	-- ⁴	76	2.3	1	-- ⁴	5	1.5	51	0.9

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Outside of the United States and U.S. Territories.

³ Women 20 years of age and older.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B5.2 Maternal Risk Factors by Ethnicity: Springfield and Worcester 1997-2000.

	<u>Springfield</u>						<u>Worcester</u>					
	<u>Jamaican</u>		<u>African-American</u>		<u>White Non-Hispanic</u>		<u>African-American</u>		<u>African¹</u>		<u>White Non-Hispanic</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	186	100	1,826	100	3,282	100	464	100	336	100	5,520	100
Parity												
1	69	37.1	595	32.6	1,413	43.1	163	35.1	150	44.6	2,457	44.5
2-3	89	47.8	901	49.3	1,582	48.2	205	44.2	155	46.1	2,617	47.4
4+	28	15.1	330	18.1	287	8.7	96	20.7	31	9.2	443	8.0
Smoking prior to pregnancy												
yes	8	4.3	520	28.5	1,257	38.3	138	29.7	2	-- ⁵	1,848	33.5
no	178	95.7	1,305	71.5	2,024	61.7	326	70.3	334	99.4	3,670	66.5
Smoking during pregnancy												
yes	3	-- ⁵	363	19.9	824	25.1	113	24.4	1	-- ⁵	1,258	22.8
no	183	98.4	1,462	80.1	2,457	74.9	351	75.6	335	99.7	4,260	77.2
Cesarean section ²												
yes	36	19.5	409	22.5	663	20.3	89	19.2	99	29.6	1,016	18.4
no	149	80.5	1,410	77.5	2,607	79.7	374	80.8	236	70.4	4,502	81.6
Maternal conditions												
anemia	16	8.6	182	10.0	86	2.6	13	2.8	6	1.8	25	0.5
hypertension ³	14	7.6	74	4.1	108	3.3	27	5.8	25	7.5	215	3.9
diabetes ⁴	11	5.9	86	4.7	144	4.4	27	5.8	14	4.2	229	4.2
hepatitis B carrier	0	0.0	1	-- ⁵	0	0.0	0	0.0	8	2.4	10	0.2
eclampsia	5	2.7	44	2.4	87	2.7	5	1.1	5	1.5	72	1.3
Previous preterm or small for gestational age infant												
yes	3	-- ⁵	52	2.9	39	1.2	21	4.5	0	0.0	65	1.2
no	182	98.4	1,767	97.1	3,229	98.8	442	95.5	335	100.0	5,447	98.8

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

³ Includes both chronic and pregnancy-related hypertension.

⁴ Includes both gestational and other diabetes.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

T otal numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B5.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Springfield and Worcester 1997-2000.

	<u>Springfield</u>						<u>Worcester</u>					
	<u>Jamaican</u>		<u>African-American</u>		<u>White Non-Hispanic</u>		<u>African-American</u>		<u>African¹</u>		<u>White Non-Hispanic</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	186	100	1,826	100	3,282	100	464	100	336	100	5,520	100
Adequate prenatal care ²	110	59.5	976	54.1	2,439	75.0	270	58.3	201	60.0	3,943	71.5
Payment source ³												
private	66	35.5	495	27.1	2,023	61.7	145	31.3	155	46.3	3,801	68.9
public	110	59.1	1,306	71.6	1,211	36.9	302	65.2	160	47.8	1,638	29.7
self	9	4.8	13	0.7	29	0.9	9	1.9	12	3.6	26	0.5
Site of care												
physician's office	65	35.1	898	49.6	2,492	76.5	157	34.7	145	43.4	3,732	68.3
hospital clinic	93	50.3	725	40.1	534	16.4	144	31.9	97	29.0	695	12.7
community health center	0	0.0	6	0.3	2	-- ⁵	95	21.0	56	16.8	271	5.0
HMO/other	27	14.6	181	10.0	231	7.1	56	12.4	36	10.8	766	14.0
Breastfeeding ⁴												
yes	132	71.4	809	44.5	1,908	58.4	267	57.5	302	89.9	3,441	62.4
no	53	28.6	1,009	55.5	1,360	41.6	197	42.5	34	10.1	2,075	37.6
Pediatric provider named												
yes	182	97.8	1,801	98.6	3,258	99.3	456	98.3	324	96.4	5,489	99.4
no	4	-- ⁵	25	1.4	24	0.7	8	1.7	12	3.6	31	0.6

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B5.4 Infant Health Characteristics by Ethnicity: Springfield and Worcester 1997-2000.

	<u>Springfield</u>						<u>Worcester</u>					
	Jamaican		African-American		White Non-Hispanic		African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	186	100	1,826	100	3,282	100	464	100	336	100	5,520	100
Birthweight (g)												
< 1,500	10	5.4	54	3.0	42	1.3	19	4.1	24	7.1	76	1.4
1,500-2,499	19	10.2	160	8.8	198	6.0	50	10.8	22	6.5	345	6.3
2,500-3,999	144	77.4	1,492	81.7	2,615	79.7	372	80.2	266	79.2	4,463	80.9
4,000+	13	7.0	120	6.6	427	13.0	23	5.0	24	7.1	635	11.5
Gestational age (weeks)												
< 32	12	6.5	62	3.4	50	1.5	17	3.7	22	6.6	84	1.5
32 - 36	18	9.7	168	9.2	241	7.4	53	11.4	21	6.3	358	6.5
37 - 42	155	83.8	1,588	87.3	2,974	91.0	393	84.9	292	87.2	5,072	91.9
43+	0	0.0	0	0.0	4	-- ²	0	0.0	0	0.0	3	-- ²
Singleton birth	176	94.6	1,762	96.5	3,177	96.8	441	95.0	310	92.3	5,326	96.5
Multiple birth	10	5.4	64	3.5	105	3.2	23	5.0	26	7.7	194	3.5
Sex of infant: female	88	47.3	895	49.0	1,623	49.5	230	49.6	180	53.6	2,707	49.0
Abnormal conditions of newborn	83	44.6	877	48.0	1,299	39.6	90	19.4	66	19.6	805	14.6
jaundice	25	13.5	213	11.7	401	12.3	31	6.7	20	6.0	291	5.3

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B6.1 Mother's Demographic Characteristics by Ethnicity: Randolph and Somerville 1997-2000.

	<u>Randolph</u>						<u>Somerville</u>					
	<u>Haitian</u>		<u>African-American</u>		<u>White Non-Hispanic</u>		<u>Haitian</u>		<u>African-American</u>		<u>White Non-Hispanic</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	162	100	175	100	787	100	241	100	81	100	2,253	100
U.S. born	7	4.3	171	97.7	726	92.2	7	2.9	73	90.1	1,607	71.4
Non - U.S. born ¹	155	95.7	4	-- ³	61	7.8	233	97.1	8	9.9	644	28.6
Age, in years												
<18	1	-- ³	3	-- ³	9	1.1	2	-- ³	3	-- ³	38	1.7
18-19	2	-- ³	17	9.7	23	2.9	6	2.5	13	16.0	76	3.4
20-24	12	7.4	26	14.9	114	14.5	47	19.5	12	14.8	269	11.9
25-29	55	34.0	47	26.9	241	30.6	46	19.1	15	18.5	600	26.6
30-34	44	27.2	52	29.7	224	28.5	78	32.4	19	23.5	777	34.5
35-39	40	24.7	29	16.6	139	17.7	46	19.1	14	17.3	401	17.8
40+	8	4.9	1	-- ³	37	4.7	16	6.6	5	6.2	92	4.1
Education completed ²												
less than high school	5	3.1	7	4.5	18	2.4	40	17.2	8	12.3	158	7.4
high school	46	28.9	46	29.7	229	30.3	78	33.6	19	29.2	595	27.8
some college	61	38.4	57	36.8	233	30.9	80	34.5	21	32.3	412	19.3
college graduate	37	23.3	29	18.7	210	27.8	30	12.9	10	15.4	500	23.4
more than college	10	6.3	16	10.3	65	8.6	4	-- ³	7	10.8	474	22.2
Marital status												
married	130	80.2	96	54.9	615	78.1	153	63.5	24	29.6	1,739	77.2
not married	32	19.8	79	45.1	172	21.9	88	36.5	57	70.4	514	22.8
Language preference												
English	105	64.8	175	100.0	777	98.7	113	46.9	81	100.0	1,922	85.3
Portuguese	0	0.0	0	0.0	5	0.6	0	0.0	0	0.0	273	12.1
Haitian Creole	52	32.1	0	0.0	0	0.0	121	50.2	0	0.0	0	0.0
Other	5	3.1	0	0.0	5	0.6	7	2.9	0	0.0	58	2.6

¹ Outside of the United States and U.S. Territories.

² Women 20 years of age and older.

³ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B6.2 Maternal Risk Factors by Ethnicity: Randolph and Somerville 1997-2000.

	<u>Randolph</u>						<u>Somerville</u>					
	Haitian		African-American		White Non-Hispanic		Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	162	100	175	100	787	100	241	100	81	100	2,253	100
Parity												
1	63	38.9	72	41.1	369	46.9	86	35.7	30	37.0	1,325	59.2
2-3	84	51.9	90	51.4	372	47.3	133	55.2	34	42.0	839	37.5
4+	15	9.3	13	7.4	45	5.7	22	9.1	17	21.0	75	3.3
Smoking prior to pregnancy												
yes	1	-- ⁴	19	10.9	168	21.3	3	-- ⁴	27	33.3	406	18.0
no	161	99.4	156	89.1	619	78.7	238	98.8	54	66.7	1,847	82.0
Smoking during pregnancy												
yes	1	-- ⁴	16	9.1	99	12.6	4	-- ⁴	19	23.5	246	10.9
no	161	99.4	159	90.9	688	87.4	237	98.3	62	76.5	2,007	89.1
Cesarean section ¹												
yes	56	35.0	47	26.9	224	28.5	63	26.1	25	30.9	525	23.4
no	104	65.0	128	73.1	563	71.5	178	73.9	56	69.1	1,717	76.6
Maternal conditions												
anemia	12	7.5	7	4.0	9	1.1	13	5.4	2	-- ⁴	51	2.3
hypertension ²	16	9.9	16	9.1	37	4.7	12	5.0	5	6.2	99	4.4
diabetes ³	14	8.7	8	4.6	27	3.4	18	7.5	4	-- ⁴	67	3.0
hepatitis B carrier	3	-- ⁴	0	0.0	0	0.0	5	2.1	2	-- ⁴	3	-- ⁴
eclampsia	4	-- ⁴	2	-- ⁴	7	0.9	2	-- ⁴	1	-- ⁴	13	0.6
Previous preterm or small for gestational age infant												
yes	2	-- ⁴	4	-- ⁴	2	-- ⁴	4	-- ⁴	2	-- ⁴	11	0.5
no	159	98.8	171	97.7	782	99.7	237	98.3	79	97.5	2,228	99.5

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Includes both chronic and pregnancy-related hypertension.

³ Includes both gestational and other diabetes.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

T otal numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B6.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Randolph and Somerville 1997-2000.

	<u>Randolph</u>						<u>Somerville</u>					
	<u>Haitian</u>		<u>African-American</u>		<u>White</u> <u>Non-Hispanic</u>		<u>Haitian</u>		<u>African-American</u>		<u>White</u> <u>Non-Hispanic</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	162	100	175	100	787	100	241	100	81	100	2,253	100
Adequate prenatal care ¹	118	73.8	142	81.6	674	85.9	147	61.5	49	62.0	1,842	82.4
Payment source ²												
private	104	64.6	124	70.9	650	82.6	132	54.8	33	40.7	1,676	74.9
public	56	34.8	50	28.6	128	16.3	93	38.6	46	56.8	532	23.8
self	1	-- ⁴	1	-- ⁴	3	-- ⁴	15	6.2	2	-- ⁴	23	1.0
Site of care												
physician's office	61	38.4	81	46.3	628	80.7	46	19.2	22	27.2	1,116	50.1
hospital clinic	51	32.1	39	22.3	62	8.0	100	41.8	31	52.5	518	23.3
community health center	17	10.7	10	5.7	22	2.8	61	25.5	20	24.7	265	11.9
HMO/other	30	18.9	45	25.7	66	8.5	32	13.4	8	9.9	328	14.7
Breastfeeding ³												
yes	132	81.5	124	70.9	521	66.2	220	91.7	59	73.8	1,747	78.0
no	30	18.5	51	29.1	266	33.8	20	8.3	21	26.3	492	22.0
Pediatric provider named												
yes	151	93.2	162	92.6	764	97.1	228	94.6	74	91.4	2,176	96.6
no	11	6.8	13	7.4	23	2.9	13	5.4	7	8.6	77	3.4

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B6.4 Infant Health Characteristics by Ethnicity: Randolph and Somerville 1997-2000.

	<u>Randolph</u>						<u>Somerville</u>					
	<u>Haitian</u>		<u>African-American</u>		<u>White Non-Hispanic</u>		<u>Haitian</u>		<u>African-American</u>		<u>White Non-Hispanic</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	162	100	175	100	787	100	241	100	81	100	2,253	100
Birthweight (g)												
< 1,500	4	-- ¹	4	-- ¹	12	1.5	5	2.1	2	-- ¹	23	1.0
1,500-2,499	8	4.9	12	6.9	49	6.2	15	6.3	8	9.9	99	4.4
2,500-3,999	137	84.6	140	80.0	619	78.7	196	82.0	63	77.8	1,801	80.4
4,000+	13	8.0	19	10.9	107	13.6	23	9.6	8	9.9	316	14.1
Gestational age (weeks)												
< 32	5	3.1	3	-- ¹	11	1.4	6	2.5	3	-- ¹	29	1.3
32 - 36	6	3.7	21	12.0	54	6.9	9	3.7	10	12.3	90	4.0
37 - 42	150	93.2	151	86.3	719	91.4	226	93.8	68	84.0	2,110	94.4
43+	0	0.0	0	0.0	3	-- ¹	0	0.0	0	0.0	7	0.3
Singleton birth	155	95.7	161	92.0	750	95.3	229	95.0	79	97.5	2,178	96.7
Multiple birth	7	4.3	14	8.0	37	4.7	12	5.0	2	-- ¹	75	3.3
Sex of infant: female	93	57.4	81	46.3	398	50.6	122	50.6	43	53.1	1,041	46.2
Abnormal conditions of newborn	28	17.3	20	11.4	69	8.8	24	10.0	12	14.8	173	7.7
jaundice	10	6.3	10	5.7	27	3.4	5	2.1	0	0.0	66	2.9

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B7.1 Mother's Demographic Characteristics by Ethnicity: Malden and New Bedford 1997-2000.

	<u>Malden</u>						<u>New Bedford</u>					
	Haitian		African-American		White Non-Hispanic		Cape Verdean		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	171	100	88	100	1,847	100	133	100	147	100	3,502	100
U.S. born	2	-- ³	79	89.8	1,561	84.6	109	82.0	145	98.6	2,844	81.2
Non - U.S. born ¹	169	98.8	9	10.2	285	15.4	24	18.0	2	-- ³	658	18.8
Age, in years												
<18	1	-- ³	4	-- ³	16	0.9	10	7.5	11	7.5	146	4.2
18-19	3	-- ³	4	-- ³	52	2.8	19	14.3	21	14.3	315	9.0
20-24	18	10.5	17	19.3	231	12.5	50	37.6	51	34.7	1,064	30.4
25-29	43	25.1	26	29.5	586	31.7	34	25.6	41	27.9	1,031	29.4
30-34	55	32.2	18	20.5	625	33.8	10	7.5	9	6.1	659	18.8
35-39	41	24.0	16	18.2	281	15.2	7	5.3	12	8.2	239	6.8
40+	10	5.8	3	-- ³	56	3.0	3	-- ³	2	-- ³	48	1.4
Education completed ²												
less than high school	10	6.0	3	-- ³	69	3.9	20	19.2	26	22.6	545	17.9
high school	52	31.3	31	38.8	606	34.1	45	43.3	48	41.7	1,272	41.8
some college	84	50.6	31	38.8	564	31.7	29	27.9	38	33.0	842	27.7
college graduate	15	9.0	10	12.5	384	21.6	8	7.7	3	-- ³	305	10.0
more than college	5	3.0	5	6.3	154	8.7	2	-- ³	0	0.0	76	2.5
Marital status												
married	122	71.3	44	50.0	1,439	78.0	31	23.3	29	19.7	1,940	55.4
not married	49	28.7	44	50.0	407	22.0	102	76.7	118	80.3	1,562	44.6
Language preference												
English	81	47.4	87	98.9	1,726	93.4	123	92.5	147	100.0	3,342	95.4
Portuguese	0	0.0	0	0.0	59	3.2	9	6.8	0	0.0	146	4.2
Haitian Creole	84	49.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other	6	3.5	1	-- ³	62	3.4	1	-- ³	0	0.0	14	0.4

¹ Outside of the United States and U.S. Territories.

² Women 20 years of age and older.

³ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B7.2 Maternal Risk Factors by Ethnicity: Malden and New Bedford 1997-2000.

	<u>Malden</u>						<u>New Bedford</u>					
	<u>Haitian</u>		<u>African-American</u>		<u>White Non-Hispanic</u>		<u>Cape Verdean</u>		<u>African-American</u>		<u>White Non-Hispanic</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	171	100	88	100	1,847	100	133	100	147	100	3,502	100
Parity												
1	61	36.3	34	39.5	896	49.4	59	44.4	49	33.6	1,520	43.6
2-3	87	51.8	45	52.3	823	45.4	57	42.9	74	50.7	1,710	49.0
4+	20	11.9	7	8.1	94	5.2	17	12.8	23	15.8	258	7.4
Smoking prior to pregnancy												
yes	4	-- ⁴	21	23.9	477	25.8	41	30.8	62	42.2	1,278	36.5
no	167	97.7	67	76.1	1,370	74.2	92	69.2	85	57.8	2,223	63.5
Smoking during pregnancy												
yes	0	0.0	14	15.9	265	14.3	29	21.8	49	33.3	820	23.4
no	171	100.0	74	84.1	1,582	85.7	104	78.2	98	66.7	2,681	76.6
Cesarean section ¹												
yes	44	26.0	25	29.1	476	26.3	29	21.8	32	21.9	775	22.3
no	125	74.0	61	70.9	1,337	73.7	104	78.2	114	78.1	2,699	77.7
Maternal conditions												
anemia	10	5.9	4	-- ⁴	25	1.4	3	-- ⁴	1	-- ⁴	42	1.2
hypertension ²	8	4.7	2	-- ⁴	82	4.5	4	-- ⁴	2	-- ⁴	109	3.2
diabetes ³	12	7.1	0	0.0	82	4.5	3	-- ⁴	4	-- ⁴	159	4.6
hepatitis B carrier	2	-- ⁴	0	0.0	3	-- ⁴	2	-- ⁴	0	0.0	5	0.1
eclampsia	2	-- ⁴	0	0.0	19	1.0	1	-- ⁴	1	-- ⁴	7	0.2
Previous preterm or small for gestational age infant												
yes	1	-- ⁴	2	-- ⁴	14	0.8	1	-- ⁴	2	-- ⁴	47	1.4
no	168	99.4	84	97.7	1,797	99.2	131	99.2	143	98.6	3,409	98.6

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Includes both chronic and pregnancy-related hypertension.

³ Includes both gestational and other diabetes.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B7.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Malden and New Bedford 1997-2000.

	<u>Malden</u>						<u>New Bedford</u>					
	<u>Haitian</u>		<u>African-American</u>		<u>White Non-Hispanic</u>		<u>Cape Verdean</u>		<u>African-American</u>		<u>White Non-Hispanic</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	171	100	88	100	1,847	100	133	100	147	100	3,502	100
Adequate prenatal care ¹	114	67.9	63	74.1	1,484	82.4	85	64.4	76	52.4	2,692	77.7
Payment source ²												
private	101	59.8	53	61.6	1,422	78.6	39	29.3	25	17.1	1,719	49.3
public	61	36.1	32	37.2	368	20.3	91	68.4	113	77.4	1,656	47.5
self	5	3.0	0	0.0	14	0.8	3	-- ⁴	3	-- ⁴	39	1.1
Site of care												
physician's office	68	41.7	37	43.5	1,296	71.9	130	97.7	135	94.4	3,440	99.2
hospital clinic	49	30.1	26	30.6	269	14.9	3	-- ⁴	6	4.2	18	0.5
community health center	11	6.7	8	9.4	72	4.0	0	0.0	1	-- ⁴	5	0.1
HMO/other	35	21.5	14	16.5	166	9.2	0	0.0	1	-- ⁴	4	-- ⁴
Breastfeeding ³												
yes	140	83.8	58	68.2	1,156	63.8	60	45.1	50	34.7	1,356	38.9
no	27	16.2	27	31.8	655	36.2	73	54.9	94	65.3	2,130	61.1
Pediatric provider named												
yes	151	88.3	78	88.6	1,758	95.2	132	99.2	140	95.2	3,470	99.1
no	20	11.7	10	11.4	89	4.8	1	-- ⁴	7	4.8	32	0.9

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonwealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B7.4 Infant Health Characteristics by Ethnicity: Malden and New Bedford 1997-2000.

	<u>Malden</u>						<u>New Bedford</u>					
	<u>Haitian</u>		<u>African-American</u>		<u>White Non-Hispanic</u>		<u>Cape Verdean</u>		<u>African-American</u>		<u>White Non-Hispanic</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	171	100	88	100	1,847	100	133	100	147	100	3,502	100
Birthweight (g)												
< 1,500	8	4.7	1	-- ¹	18	1.0	0	0.0	5	3.4	13	0.4
1,500-2,499	9	5.3	6	7.0	103	5.7	13	9.8	12	8.2	169	4.8
2,500-3,999	135	79.9	72	83.7	1,421	78.4	114	85.7	120	82.2	2,991	85.7
4,000+	17	10.1	7	8.1	270	14.9	6	4.5	9	6.2	317	9.1
Gestational age (weeks)												
< 32	8	4.8	1	-- ¹	15	0.8	0	0.0	4	-- ¹	9	0.3
32 - 36	11	6.6	4	-- ¹	115	6.4	8	6.3	8	6.3	119	3.8
37 - 42	147	88.6	80	93.0	1,670	92.5	118	93.7	115	89.8	3,040	95.9
43+	0	0.0	1	-- ¹	6	0.3	0	0.0	1	-- ¹	1	-- ¹
Singleton birth	169	98.8	88	100.0	1,784	96.6	131	98.5	145	98.6	3,435	98.1
Multiple birth	2	-- ¹	0	0.0	63	3.4	2	-- ¹	2	-- ¹	67	1.9
Sex of infant: female	83	48.5	45	51.1	880	47.6	70	52.6	67	45.6	1,684	48.1
Abnormal conditions of newborn	28	16.4	2	-- ¹	101	5.5	8	6.0	18	12.2	424	12.1
jaundice	4	-- ¹	1	-- ¹	43	2.4	6	4.5	4	-- ¹	175	5.1

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B8.1 Mother's Demographic Characteristics by Ethnicity: Lowell 1997-2000

	African-American		African ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	113	100	129	100	3,440	100
U.S. born	103	91.2	2	-- ⁴	3,169	92.2
Non - U.S. born ²	10	8.8	127	98.4	269	7.8
Age, in years						
<18	8	7.1	1	-- ⁴	103	3.0
18-19	5	4.4	2	-- ⁴	240	7.0
20-24	41	36.3	15	11.6	838	24.4
25-29	33	29.2	53	41.1	1,108	32.2
30-34	14	12.4	37	28.7	777	22.6
35-39	9	8.0	20	15.5	315	9.2
40+	3	-- ⁴	1	-- ⁴	59	1.7
Education completed ³						
less than high school	9	9.0	5	4.0	343	11.1
high school	49	49.0	46	36.5	1,230	39.8
some college	32	32.0	48	38.1	926	29.9
college graduate	7	7.0	22	17.5	464	15.0
more than college	3	-- ⁴	5	4.0	130	4.2
Marital status						
married	36	31.9	80	62.0	2,084	60.6
not married	77	68.1	49	38.0	1,355	39.4
Language preference						
English	113	100.0	110	85.3	3,296	95.8
Portuguese	0	0.0	0	0.0	120	3.5
Haitian Creole	0	0.0	0	0.0	0	0.0
Other	0	0.0	19	14.7	24	0.7

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Outside of the United States and U.S. Territories.

³ Women 20 years of age and older.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B8.2 Maternal Risk Factors by Ethnicity: Lowell 1997-2000

	African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	113	100	129	100	3,440	100
Parity						
1	34	30.1	59	45.7	1,544	45.1
2-3	62	54.9	62	48.1	1,617	47.2
4+	17	15.0	8	6.2	264	7.7
Smoking prior to pregnancy						
yes	32	28.3	0	0.0	1,280	37.2
no	81	71.7	129	100.0	2,158	62.8
Smoking during pregnancy						
yes	20	17.7	0	0.0	853	24.8
no	93	82.3	129	100.0	2,585	75.2
Cesarean section ²						
yes	24	21.2	38	29.5	742	21.6
no	89	78.8	91	70.5	2,686	78.4
Maternal conditions						
anemia	10	8.8	3	-- ⁵	66	1.9
hypertension ³	7	6.2	8	6.2	160	4.7
diabetes ⁴	3	-- ⁵	6	4.7	115	3.4
hepatitis B carrier	1	-- ⁵	4	-- ⁵	5	0.1
eclampsia	3	-- ⁵	3	-- ⁵	10	0.3
Previous preterm or small for gestational age infant						
yes	8	7.1	1	-- ⁵	46	1.3
no	105	92.9	128	99.2	3,380	98.7

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

³ Includes both chronic and pregnancy-related hypertension.

⁴ Includes both gestational and other diabetes.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

**Table B8.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity:
Lowell 1997-2000**

	African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	113	100	129	100	3,440	100
Adequate prenatal care ²	70	62.5	66	52.0	2,403	70.5
Payment source ³						
private	45	39.8	73	56.6	2,045	60.5
public	66	58.4	52	40.3	1,295	38.3
self	1	-- ⁵	4	-- ⁵	18	0.5
Site of care						
physician's office	56	50.9	70	55.6	2,405	71.5
hospital clinic	45	40.9	37	29.4	659	19.6
community health center	0	0.0	1	-- ⁵	18	0.5
HMO/other	9	8.2	18	14.3	283	8.4
Breastfeeding ⁴						
yes	67	59.3	115	89.1	1,766	52.2
no	46	40.7	14	10.9	1,615	47.8
Pediatric provider named						
yes	112	99.1	127	98.4	3,374	98.1
no	1	-- ⁵	2	-- ⁵	66	1.9

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B8.4 Infant Health Characteristics by Ethnicity: Lowell 1997-2000

	African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	113	100	129	100	3,440	100
Birthweight (g)						
< 1,500	6	5.3	4	-- ²	52	1.5
1,500-2,499	7	6.2	7	5.4	190	5.6
2,500-3,999	96	85.0	112	86.8	2,793	81.6
4,000+	4	-- ²	6	4.7	387	11.3
Gestational age (weeks)						
< 32	6	5.3	5	3.9	55	1.6
32 - 36	10	8.8	8	6.2	191	5.6
37 - 42	97	85.8	115	89.1	3,173	92.7
43+	0	0.0	1	-- ²	3	-- ²
Singleton birth	110	97.3	121	93.8	3,336	97.0
Multiple birth	3	-- ²	8	6.2	104	3.0
Sex of infant: female	56	49.6	57	44.2	1,667	48.5
Abnormal conditions of newborn	28	24.8	19	14.7	585	17.0
jaundice	9	8.0	2	-- ²	114	3.3

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B9.1 Mother's Demographic Characteristics by Ethnicity: Medford and Everett 1997-2000

	<u>Medford</u>				<u>Everett</u>			
	Haitian		White		Haitian		White	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	128	100	1,973	100	134	100	1,381	100
U.S. born	8	6.3	1,719	87.3	6	4.5	1,122	81.3
Non - U.S. born ¹	120	93.8	251	12.7	127	95.5	258	18.7
Age, in years								
<18	1	-- ³	13	0.7	0	0.0	16	1.2
18-19	3	-- ³	32	1.6	3	-- ³	49	3.5
20-24	16	12.5	178	9.0	28	20.9	224	16.2
25-29	39	30.5	496	25.1	30	22.4	445	32.2
30-34	41	32.0	789	40.0	45	33.6	406	29.4
35-39	21	16.4	377	19.1	22	16.4	212	15.4
40+	7	5.5	88	4.5	6	4.5	29	2.1
Education completed ²								
less than high school	7	5.6	60	3.1	13	10.0	110	8.4
high school	46	37.1	519	26.9	38	29.2	573	43.6
some college	53	42.7	554	28.7	62	47.7	392	29.8
college graduate	17	13.7	532	27.6	15	11.5	191	14.5
more than college	1	-- ³	263	13.6	2	-- ³	49	3.7
Marital status								
married	89	69.5	1,678	85.0	93	69.4	998	72.3
not married	39	30.5	295	15.0	41	30.6	382	27.7
Language preference								
English	73	57.0	1,900	96.3	75	56.0	1,225	88.7
Portuguese	0	0.0	39	2.0	0	0.0	135	9.8
Haitian Creole	50	39.1	0	0.0	56	41.8	0	0.0
Other	5	3.9	33	1.7	3	-- ³	21	1.5

¹ Outside of the United States and U.S. Territories.² Women 20 years of age and older.³ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B9.2 Maternal Risk Factors by Ethnicity: Medford and Everett 1997-2000

	<u>Medford</u>				<u>Everett</u>			
	Haitian		White Non-Hispanic		Haitian		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	128	100	1,973	100	134	100	1,381	100
Parity								
1	49	38.3	940	49.1	47	35.1	663	48.5
2-3	70	54.7	880	45.9	74	55.2	629	46.0
4+	9	7.0	96	5.0	13	9.7	76	5.6
Smoking prior to pregnancy								
yes	2	-- ⁴	409	20.7	5	3.7	423	30.6
no	126	98.4	1,563	79.3	129	96.3	958	69.4
Smoking during pregnancy								
yes	1	-- ⁴	209	10.6	0	0.0	258	18.7
no	127	99.2	1,763	89.4	134	100.0	1,123	81.3
Cesarean section ¹								
yes	37	28.9	478	24.9	35	26.1	360	26.3
no	91	71.1	1,444	75.1	99	73.9	1,010	73.7
Maternal conditions								
anemia	8	6.3	26	1.4	15	11.2	27	2.0
hypertension ²	7	5.5	89	4.6	8	6.0	54	3.9
diabetes ³	5	3.9	61	3.2	11	8.2	70	5.1
hepatitis B carrier	0	0.0	6	0.3	3	-- ⁴	2	-- ⁴
eclampsia	1	-- ⁴	8	0.4	3	-- ⁴	7	0.5
Previous preterm or small for gestational age infant								
yes	0	0.0	16	0.8	2	-- ⁴	16	1.2
no	128	100.0	1,902	99.2	132	98.5	1,352	98.8

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Includes both chronic and pregnancy-related hypertension.

³ Includes both gestational and other diabetes.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B9.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Medford and Everett 1997-2000

	<u>Medford</u>				<u>Everett</u>			
	Haitian		White Non-Hispanic		Haitian		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	128	100	1,973	100	134	100	1,381	100
Adequate prenatal care ¹	94	74.6	1,629	85.5	83	63.4	1,119	82.5
Payment source ²								
private	77	60.2	1,691	88.2	70	52.2	949	69.6
public	47	36.7	212	11.1	58	43.3	392	28.7
self	4	-- ⁴	7	0.4	5	3.7	14	1.0
Site of care								
physician's office	47	36.7	1,352	70.9	34	25.8	828	61.1
hospital clinic	43	33.6	257	13.5	49	37.1	291	21.5
community health center	13	10.2	53	2.8	27	20.5	120	8.8
HMO/other	25	19.5	244	12.8	22	16.7	117	8.6
Breastfeeding ³								
yes	112	87.5	1,276	66.6	114	85.1	758	55.6
no	16	12.5	640	33.4	20	14.9	605	44.4
Pediatric provider named								
yes	115	89.8	1,863	94.4	125	93.3	1,329	96.2
no	13	10.2	110	5.6	9	6.7	52	3.8

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table B9.4 Infant Health Characteristics by Ethnicity: Medford and Everett 1997-2000

	<u>Medford</u>				<u>Everett</u>			
	Haitian		White Non-Hispanic		Haitian		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	128	100	1,973	100	134	100	1,381	100
Birthweight (g)								
< 1,500	0	0.0	24	1.3	3	-- ¹	26	1.9
1,500-2,499	13	10.2	99	5.2	7	5.2	80	5.8
2,500-3,999	98	76.6	1,562	81.4	108	80.6	1,101	80.5
4000+	17	13.3	235	12.2	16	11.9	161	11.8
Gestational age (weeks)								
< 32	1	-- ¹	23	1.2	3	-- ¹	22	1.6
32 - 36	7	5.5	112	5.9	11	8.3	80	5.9
37 - 42	119	93.7	1,774	92.7	117	88.6	1,254	92.2
43+	0	0.0	4	-- ¹	1	-- ¹	4	-- ¹
Singleton birth	123	96.1	1,894	96.0	132	98.5	1,317	95.4
Multiple birth	5	3.9	79	4.0	2	-- ¹	64	4.6
Sex of infant: female	65	50.8	941	47.7	74	55.2	667	48.3
Abnormal conditions of newborn	10	7.8	125	6.3	18	13.4	86	6.2
jaundice	1	-- ¹	45	2.3	6	4.5	27	2.0

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

BOSTON NEIGHBORHOOD TABLES

Notes:

1. Boston neighborhoods with 180 or more births to Black mothers from 1997-2000 were selected for inclusion in this report.
2. Ethnicity groups with 80 or more births to Black mothers from 1997-2000 were selected for inclusion in the neighborhood tables.

Table C1.1 Mother's Demographic Characteristics by Ethnicity: North Dorchester 1997-2000

	Haitian		Jamaican		Other West Indian/ Caribbean ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	207	100	157	100	182	100	724	100
U.S. born	9	4.3	8	5.1	20	11.0	589	81.5
Non - U.S. born ²	198	95.7	149	94.9	161	89.0	134	18.5
Age, in years								
<18	13	6.3	6	3.8	3	-- ⁴	23	3.2
18-19	17	8.2	6	3.8	9	4.9	47	6.5
20-24	40	19.3	37	23.6	38	20.9	157	21.7
25-29	43	20.8	39	24.8	46	25.3	195	26.9
30-34	49	23.7	39	24.8	47	25.8	195	26.9
35-39	35	16.9	23	14.6	29	15.9	86	11.9
40+	10	4.8	7	4.5	10	5.5	21	2.9
Education completed ³								
less than high school	25	14.1	13	9.0	13	7.6	59	9.0
high school	76	42.9	74	51.0	74	43.5	260	39.8
some college	53	29.9	43	29.7	62	36.5	175	26.8
college graduate	18	10.2	11	7.6	18	10.6	107	16.4
more than college	5	2.8	4	-- ⁴	3	-- ⁴	53	8.1
Marital status								
married	111	53.6	63	40.1	72	39.6	393	54.3
not married	96	46.4	94	59.9	110	60.4	331	45.7
Language preference								
English	118	57.0	157	100.0	182	100.0	683	94.3
Portuguese	2	-- ⁴	0	0.0	0	0.0	11	1.5
Haitian Creole	81	39.1	0	0.0	0	0.0	0	0.0
Other	6	2.9	0	0.0	0	0.0	30	4.1

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Outside of the United States and U.S. Territories.

³ Women 20 years of age and older.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C1.1 (continued) Mother's Demographic Characteristics by Ethnicity: North Dorchester 1997-2000

	African-American		African ¹		Cape Verdean		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	1,895	100	101	100	186	100	724	100
U.S. born	1,823	96.4	8	7.9	21	11.4	589	81.5
Non - U.S. born ²	68	3.6	93	92.1	164	88.6	134	18.5
Age, in years								
<18	189	10.0	1	-- ⁴	12	6.5	23	3.2
18-19	230	12.1	1	-- ⁴	19	10.2	47	6.5
20-24	505	26.6	25	24.8	45	24.2	157	21.7
25-29	466	24.6	29	28.7	58	31.2	195	26.9
30-34	330	17.4	36	35.6	33	17.7	195	26.9
35-39	142	7.5	9	8.9	16	8.6	86	11.9
40+	33	1.7	0	0.0	3	-- ⁴	21	2.9
Education completed ³								
less than high school	201	13.6	15	15.2	28	18.1	59	9.0
high school	661	44.8	36	36.4	72	46.5	260	39.8
some college	468	31.7	25	25.3	39	25.2	175	26.8
college graduate	116	7.9	16	16.2	10	6.5	107	16.4
more than college	30	2.0	7	7.1	6	3.9	53	8.1
Marital status								
married	356	18.8	59	58.4	83	44.6	393	54.3
not married	1,539	81.2	42	41.6	103	55.4	331	45.7
Language preference								
English	1,888	99.6	82	81.2	111	59.7	683	94.3
Portuguese	0	0.0	1	-- ⁴	63	33.9	11	1.5
Haitian Creole	0	0.0	0	0.0	2	-- ⁴	0	0.0
Other	7	0.4	18	17.8	10	5.4	30	4.1

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Outside of the United States and U.S. Territories.

³ Women 20 years of age and older.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C1.2 Maternal Risk Factors by Ethnicity: North Dorchester 1997-2000

	Haitian		Jamaican		Other West Indian/ Caribbean ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	207	100	157	100	182	100	724	100
Parity								
1	88	42.5	47	29.9	66	36.3	343	47.4
2-3	88	42.5	80	51.0	88	48.4	324	44.8
4+	31	15.0	30	19.1	28	15.4	56	7.7
Smoking prior to pregnancy								
yes	5	2.4	9	5.7	11	6.0	214	29.6
no	202	97.6	148	94.3	171	94.0	510	70.4
Smoking during pregnancy								
yes	2	-- ⁵	5	3.2	3	-- ⁵	151	20.9
no	205	99.0	152	96.8	179	98.4	573	79.1
Cesarean section ²								
yes	54	26.1	32	20.4	39	21.4	138	19.2
no	153	73.9	125	79.6	143	78.6	582	80.8
Maternal conditions								
anemia	20	9.7	8	5.1	10	5.5	28	3.9
hypertension ³	10	4.8	20	12.7	12	6.6	39	5.4
diabetes ⁴	14	6.8	17	10.8	12	6.6	18	2.5
hepatitis B carrier	4	-- ⁵	0	0.0	2	-- ⁵	1	-- ⁵
eclampsia	5	2.4	6	3.8	3	-- ⁵	17	2.4
Previous preterm or small for gestational age infant								
yes	1	-- ⁵	2	-- ⁵	3	-- ⁵	5	0.7
no	206	99.5	155	98.7	179	98.4	714	99.3

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

³ Includes both chronic and pregnancy-related hypertension.

⁴ Includes both gestational and other diabetes.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C1.2 (continued) Maternal Risk Factors by Ethnicity: North Dorchester 1997-2000.

	African-American		African ¹		Cape Verdean		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	1,895	100	101	100	186	100	724	100
Parity								
1	754	39.8	39	38.6	82	44.1	343	47.4
2-3	809	42.7	47	46.5	89	47.8	324	44.8
4+	331	17.5	15	14.9	15	8.1	56	7.7
Smoking prior to pregnancy								
yes	340	17.9	2	-- ⁵	3	-- ⁵	214	29.6
no	1,555	82.1	99	98.0	183	98.4	510	70.4
Smoking during pregnancy								
yes	258	13.6	0	0.0	2	-- ⁵	151	20.9
no	1,637	86.4	101	100.0	184	98.9	573	79.1
Cesarean section ²								
yes	346	18.3	18	17.8	37	19.9	138	19.2
no	1,547	81.7	83	82.2	149	80.1	582	80.8
Maternal conditions								
anemia	214	11.3	9	8.9	10	5.4	28	3.9
hypertension ³	114	6.0	4	-- ⁵	5	2.7	39	5.4
diabetes ⁴	89	4.7	0	0.0	3	-- ⁵	18	2.5
hepatitis B carrier	11	0.6	1	-- ⁵	3	-- ⁵	1	-- ⁵
eclampsia	44	2.3	5	5.0	3	-- ⁵	17	2.4
Previous preterm or small for gestational age infant								
yes	39	2.1	0	0.0	0	0.0	5	0.7
no	1853	97.9	101	100.0	186	100.0	714	99.3

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

³ Includes both chronic and pregnancy-related hypertension.

⁴ Includes both gestational and other diabetes.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C1.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: North Dorchester 1997-2000

	Haitian		Jamaican		Other West Indian/ Caribbean ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	207	100	157	100	182	100	724	100
Adequate prenatal care ²	133	65.5	120	76.4	130	71.4	563	78.4
Payment source ³								
private	49	22.7	77	47.0	79	42.7	395	49.1
public	157	72.7	78	47.6	102	56.0	320	39.8
self	0	0.0	1	-- ⁵	1	-- ⁵	4	-- ⁵
Site of care								
physician's office	26	12.6	27	17.3	48	26.4	242	33.7
hospital clinic	81	39.1	57	36.5	67	36.8	180	25.1
community health center	82	39.6	45	28.8	47	25.8	218	30.4
HMO/other	18	8.7	27	17.3	20	11.0	78	10.9
Breastfeeding ⁴								
yes	149	73.4	131	84.5	150	82.4	436	60.7
no	54	26.6	24	15.5	32	17.6	282	39.3
Pediatric provider named								
yes	180	87.0	143	91.1	159	87.4	675	93.2
no	27	13.0	14	8.9	23	12.6	49	6.8

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C1.3 (continued) Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: North Dorchester 1997-2000

	African-American		African¹		Cape Verdean		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	1,895	100	101	100	186	100	724	100
Adequate prenatal care ²	1,255	67.5	63	63.6	124	68.5	563	78.4
Payment source ³								
private	563	29.9	37	36.3	78	41.7	395	49.1
public	1,305	69.2	63	61.8	102	54.5	320	39.8
self	7	0.4	1	-- ⁵	2	-- ⁵	4	-- ⁵
Site of care								
physician's office	367	19.6	20	20.0	38	20.8	242	33.7
hospital clinic	685	36.6	47	47.0	69	37.7	180	25.1
community health center	594	31.7	16	16.0	53	29.0	218	30.4
HMO/other	226	12.1	17	17.0	23	12.6	78	10.9
Breastfeeding ⁴								
yes	1,092	58.3	83	83.0	138	74.2	436	60.7
no	781	41.7	17	17.0	48	25.8	282	39.3
Pediatric provider named								
yes	1,539	81.2	84	83.2	149	80.1	675	93.2
no	356	18.8	17	16.8	37	19.9	49	6.8

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonwealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C1.4 Infant Health Characteristics by Ethnicity: North Dorchester 1997-2000

	Haitian		Jamaican		Other West Indian/ Caribbean¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	207	100	157	100	182	100	724	100
Birthweight (g)								
< 1,500	8	3.9	1	-- ²	6	3.3	7	1.0
1,500-2,499	12	5.8	10	6.5	18	9.9	35	4.9
2,500-3,999	163	78.7	134	86.5	141	77.9	578	80.2
4,000+	24	11.6	11	5.5	16	8.8	101	14.0
Gestational age (weeks)								
< 32	8	3.9	2	-- ²	10	5.5	10	1.4
32 - 36	13	6.3	11	7.0	14	7.7	53	7.4
37 - 42	185	89.4	144	91.7	158	86.8	656	91.1
43+	1	-- ²	0	0.0	0	0.0	1	-- ²
Singleton birth	206	99.5	152	96.8	178	97.8	708	97.8
Multiple birth	1	-- ²	5	3.2	4	-- ²	16	2.2
Sex of infant: female	114	55.1	84	53.5	98	53.8	350	48.3
Abnormal conditions of newborn	67	32.4	38	24.2	41	22.5	125	17.3
jaundice	19	9.4	13	8.3	15	8.3	53	7.4

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C1.4 (continued) Infant Health Characteristics by Ethnicity: North Dorchester 1997-2000

	African-American		African¹		Cape Verdean		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	1,895	100	101	100	186	100	724	100
Birthweight (g)								
< 1,500	71	3.7	1	-- ²	4	-- ²	7	1.0
1,500-2,499	174	9.2	7	6.9	11	5.9	35	4.9
2,500-3,999	1,514	79.9	81	80.2	146	78.5	578	80.2
4,000+	136	7.2	12	11.9	25	13.4	101	14.0
Gestational age (weeks)								
< 32	64	3.4	1	-- ²	4	-- ²	10	1.4
32 - 36	178	9.4	5	5.0	9	4.8	53	7.4
37 - 42	1,645	87.0	94	93.1	172	92.5	656	91.1
43+	4	-- ²	1	-- ²	1	-- ²	1	-- ²
Singleton birth	1,831	96.6	99	98.0	183	98.4	708	97.8
Multiple birth	64	3.4	2	-- ²	3	-- ²	16	2.2
Sex of infant: female	932	49.2	57	56.4	77	41.4	350	48.3
Abnormal conditions of newborn	438	23.1	20	19.8	38	20.4	125	17.3
jaundice	149	8.1	7	7.1	20	10.8	53	7.4

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C2.1 Mother's Demographic Characteristics by Ethnicity: South Dorchester 1997-2000

	Haitian		Jamaican		Other West Indian/ Caribbean ¹		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	212	100	126	100	99	100	976	100	717	100
U.S. born	7	3.3	6	4.8	11	11.2	929	95.4	618	86.2
Non - U.S. born ²	205	96.7	120	95.2	87	88.8	45	4.6	99	13.8
Age, in years										
<18	4	-- ⁴	5	4.0	3	-- ⁴	80	8.2	10	1.4
18-19	8	3.8	4	-- ⁴	5	5.1	105	10.8	16	2.2
20-24	40	18.9	27	21.4	15	15.2	255	26.1	85	11.9
25-29	56	26.4	36	28.6	28	28.3	242	24.8	186	25.9
30-34	58	27.4	32	25.4	32	32.3	199	20.4	253	35.3
35-39	40	18.9	17	13.5	14	14.1	78	8.0	139	19.4
40+	6	2.8	5	4.0	2	-- ⁴	17	1.7	28	3.9
Education completed ³										
less than high school	21	10.5	13	11.1	6	6.6	62	7.9	24	3.5
high school	82	41.0	36	30.8	37	40.7	322	40.9	233	33.7
some college	74	37.0	43	36.8	41	45.1	300	38.1	211	30.5
college graduate	15	7.5	17	14.5	6	6.6	75	9.5	153	22.1
more than college	8	4.0	8	6.8	1	-- ⁴	29	3.7	70	10.1
Marital status										
married	111	52.4	47	37.3	49	49.5	257	26.3	540	75.3
not married	101	47.6	79	62.7	50	50.5	719	73.7	177	24.7
Language preference										
English	123	58.0	125	99.2	97	98.0	973	99.7	705	98.3
Portuguese	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Haitian Creole	79	37.3	0	0.0	0	0.0	1	-- ⁴	1	-- ⁴
Other	10	4.7	1	-- ⁴	2	-- ⁴	2	-- ⁴	11	1.5

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Outside of the United States and U.S. Territories.

³ Women 20 years of age and older.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C2.2 Maternal Risk Factors by Ethnicity: South Dorchester 1997-2000.

	Haitian		Jamaican		Other West Indian/ Caribbean ¹		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	212	100	126	100	99	100	976	100	717	100
Parity										
1	88	41.5	49	39.2	47	47.5	410	42.1	322	45.0
2-3	104	49.1	58	46.4	43	43.4	428	43.9	343	47.9
4+	20	9.4	18	14.4	9	9.1	136	14.0	51	7.1
Smoking prior to pregnancy										
yes	6	2.8	5	4.0	3	-- ⁵	146	15.0	152	21.2
no	206	97.2	121	96.0	96	97.0	828	85.0	565	78.8
Smoking during pregnancy										
yes	2	-- ⁵	2	-- ⁵	2	-- ⁵	95	9.8	96	13.4
no	210	99.1	124	98.4	97	98.0	879	90.2	620	86.6
Cesarean section ²										
yes	60	28.4	21	16.9	20	20.4	209	21.5	163	22.8
no	151	71.6	103	83.1	78	79.6	764	78.5	552	77.2
Maternal conditions										
anemia	30	14.2	7	5.6	8	8.2	74	7.6	19	2.7
hypertension ³	11	5.2	7	5.6	9	9.2	71	7.3	35	4.9
diabetes ⁴	9	4.3	8	6.5	6	6.1	48	4.9	20	2.8
hepatitis B carrier	0	0.0	0	0.0	0	0.0	3	-- ⁵	0	0.0
eclampsia	5	2.4	5	4.0	5	5.1	32	3.3	5	0.7
Previous preterm or small for gestational age infant										
yes	5	2.4	0	0.0	1	-- ⁵	9	0.9	0	0.0
no	206	97.6	124	100.0	97	99.0	963	99.1	713	100.0

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

³ Includes both chronic and pregnancy-related hypertension.

⁴ Includes both gestational and other diabetes.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C2.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: South Dorchester 1997-2000

	Haitian		Jamaican		Other West Indian/ Caribbean ¹		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	212	100	126	100	99	100	976	100	717	100
Adequate prenatal care ²	140	66.0	98	79.0	64	66.0	704	73.1	638	89.2
Payment source ³										
private	78	36.8	73	58.4	48	49.0	402	41.2	555	77.4
public	131	61.8	52	41.6	49	50.0	566	58.1	157	21.9
self	2	-- ⁵	0	0.0	0	0.0	2	-- ⁵	2	-- ⁵
Site of care										
physician's office	46	21.8	44	35.8	21	21.2	250	26.0	356	49.8
hospital clinic	72	34.1	33	26.8	30	30.3	339	35.2	125	17.5
community health center	65	30.8	30	24.4	33	33.3	233	24.2	131	18.3
HMO/other	28	13.3	16	13.0	15	15.2	140	14.6	103	14.4
Breastfeeding ⁴										
yes	165	78.9	105	84.7	92	92.9	611	63.5	430	60.1
no	44	21.1	19	15.3	7	7.1	351	36.5	285	39.9
Pediatric provider named										
yes	197	92.9	114	90.5	91	91.9	833	85.3	686	95.7
no	15	7.1	12	9.5	8	8.1	143	14.7	31	4.3

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C2.4 Infant Health Characteristics by Ethnicity: South Dorchester 1997-2000

	Haitian		Jamaican		Other West Indian/ Caribbean ¹		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	212	100	126	100	99	100	976	100	717	100
Birthweight (g)										
< 1,500	6	2.8	2	-- ²	3	-- ²	32	3.3	5	0.7
1,500-2,499	19	9.0	6	4.8	3	-- ²	121	12.4	29	4.0
2,500-3,999	167	78.8	103	82.4	86	86.9	755	77.4	586	81.7
4,000+	20	9.4	14	11.2	7	7.1	67	6.9	97	13.5
Gestational age (weeks)										
< 32	8	3.8	2	-- ²	3	-- ²	29	3.0	2	-- ²
32 - 36	13	6.2	7	5.6	6	6.1	120	12.3	41	5.7
37 - 42	189	89.6	116	92.8	90	90.1	820	84.4	673	93.9
43+	1	-- ²	0	0.0	0	0.0	3	-- ²	1	-- ²
Singleton birth	200	94.3	123	97.6	97	98.0	923	94.6	691	96.4
Multiple birth	12	5.7	3	-- ²	2	-- ²	53	5.4 ²	26	3.6
Sex of infant: female	94	44.3	60	47.6	49	49.5	490	50.2	354	49.4
Abnormal conditions of newborn	60	28.3	26	20.6	20	20.2	232	23.8	91	12.7
jaundice	24	11.7	13	10.5	8	8.2	95	10.0	43	6.0

¹ Selected "Other West Indian/ Caribbean Islander" as mother's ancestry on birth certificate.

² Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C3.1 Mother's Demographic Characteristics by Ethnicity: Roxbury 1997-2000

	Haitian		African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	124	100	1,401	100	193	100	236	100
U.S. born	6	4.8	1,364	97.4	6	3.1	186	78.8
Non - U.S. born ²	118	95.2	37	2.6	187	96.9	50	21.2
Age, in years								
<18	1	-- ⁴	116	8.3	1	-- ⁴	3	-- ⁴
18-19	6	4.8	167	11.9	4	-- ⁴	12	5.1
20-24	21	16.9	383	27.3	20	10.4	40	16.9
25-29	43	34.7	316	22.6	69	35.8	68	28.8
30-34	19	15.3	261	18.6	62	32.1	74	31.4
35-39	29	23.4	126	9.0	30	15.5	30	12.7
40+	5	4.0	32	2.3	7	3.6	9	3.8
Education completed ³								
less than high school	23	19.7	177	15.9	22	11.9	21	9.5
high school	57	48.7	459	41.1	71	38.4	49	22.2
some college	32	27.4	363	32.5	60	32.4	70	31.7
college graduate	5	4.3	89	8.0	25	13.5	39	17.6
more than college	0	0.0	28	2.5	7	3.8	42	19.0
Marital status								
married	72	58.1	248	17.7	145	75.1	129	54.7
not married	52	41.9	1,153	82.3	48	24.9	107	45.3
Language preference								
English	63	50.8	1,396	99.6	141	73.4	222	94.1
Portuguese	0	0.0	1	-- ⁴	0	0.0	3	-- ⁴
Haitian Creole	59	47.6	0	0.0	0	0.0	1	-- ⁴
Other	2	-- ⁴	4	-- ⁴	51	26.6	10	4.2

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Outside of the United States and U.S. Territories.

³ Women 20 years of age and older.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C3.2 Maternal Risk Factors by Ethnicity: Roxbury 1997-2000

	Haitian		African-American		African ¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	124	100	1,401	100	193	100	236	100
Parity								
1	45	36.6	552	39.5	83	43.0	108	45.8
2-3	58	47.2	645	46.1	79	40.9	91	38.6
4+	20	16.3	201	14.4	31	16.1	37	15.7
Smoking prior to pregnancy								
yes	5	4.0	280	20.0	2	-- ⁵	47	19.9
no	119	96.0	1,120	80.0	190	99.0	189	80.1
Smoking during pregnancy								
yes	4	-- ⁵	198	14.1	2	-- ⁵	34	14.4
no	120	96.8	1,202	85.9	190	99.0	202	85.6
Cesarean section ²								
yes	27	21.8	272	19.5	50	26.2	37	15.7
no	97	78.2	1,121	80.5	141	73.8	198	84.3
Maternal conditions								
anemia	17	13.7	129	9.3	15	7.9	6	2.6
hypertension ³	6	4.8	87	6.2	11	5.8	11	4.7
diabetes ⁴	10	8.1	44	3.2	8	4.2	16	6.8
hepatitis B carrier	2	-- ⁵	3	-- ⁵	2	-- ⁵	3	-- ⁵
eclampsia	4	-- ⁵	39	2.8	5	2.6	8	3.4
Previous preterm or small for gestational age infant								
yes	1	-- ⁵	32	2.3	0	0.0	6	2.6
no	123	99.2	1,362	97.7	191	100.0	228	97.4

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

³ Includes both chronic and pregnancy-related hypertension.

⁴ Includes both gestational and other diabetes.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C3.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Roxbury 1997-2000

	Haitian		African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	124	100	1,401	100	193	100	236	100
Adequate prenatal care ²	70	57.4	942	68.6	142	75.9	180	76.9
Payment source ³								
private	30	24.4	416	29.8	58	30.1	127	53.8
public	93	75.6	963	68.9	134	69.4	101	42.8
self	0	0.0	6	0.4	1	-- ⁵	7	3.0
Site of care								
physician's office	18	14.6	286	20.7	50	26.0	102	44.2
hospital clinic	61	49.6	576	41.6	112	58.3	68	29.4
community health center	31	25.2	333	24.1	15	7.8	30	13.0
HMO/other	13	10.6	189	13.7	15	7.8	31	13.4
Breastfeeding ⁴								
yes	99	81.8	795	57.5	165	86.8	168	71.8
no	22	18.2	588	42.5	25	13.2	66	28.2
Pediatric provider named								
yes	109	87.9	1,099	78.4	175	90.7	211	89.4
no	15	12.1	302	21.6	18	9.3	25	10.6

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Adequate prenatal care: See technical notes for definition of adequacy of care.

³ Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

⁴ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁵ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C3.4 Infant Health Characteristics by Ethnicity: Roxbury 1997-2000

	Haitian		African-American		African¹		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	124	100	1,401	100	193	100	236	100
Birthweight (g)								
< 1,500	4	-- ²	53	3.8	4	-- ²	4	-- ²
1,500-2,499	10	8.1	155	11.1	8	4.1	20	8.5
2,500-3,999	97	78.2	1,101	79.1	152	78.8	188	79.7
4,000+	13	10.5	83	6.0	29	15.0	24	10.2
Gestational age (weeks)								
< 32	3	-- ²	64	4.6	4	-- ²	3	-- ²
32 - 36	9	7.4	146	10.5	13	6.7	14	5.9
37 - 42	109	89.3	1,177	84.4	175	90.7	218	92.4
43+	1	-- ²	8	0.6	1	-- ²	1	-- ²
Singleton birth	124	100.0	1,351	96.4	190	98.4	224	94.9
Multiple birth	0	0.0	50	3.6	3	-- ²	12	5.1
Sex of infant: female	60	48.4	680	48.5	96	49.7	115	48.7
Abnormal conditions of newborn	46	37.1	331	23.6	57	29.5	33	14.0
jaundice	21	17.8	130	9.5	19	10.1	16	6.9

¹ Includes ethnicities listed as "Nigerian" and "Other African" in previous tables.

² Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C4.1 Mother's Demographic Characteristics by Ethnicity: Mattapan 1997-2000

	Haitian		Jamaican		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	283	100	106	100	600	100	38	100
U.S. born	4	-- ³	1	-- ³	554	92.5	31	81.6
Non - U.S. born ¹	279	98.6	105	99.1	45	7.5	7	18.4
Age, in years								
<18	5	1.8	1	-- ³	36	6.1	2	-- ³
18-19	5	1.8	8	7.5	57	9.5	4	-- ³
20-24	44	15.5	17	16.0	161	26.8	14	36.8
25-29	64	22.6	31	29.2	158	26.3	10	26.3
30-34	80	28.3	29	27.4	129	21.5	7	18.4
35-39	68	24.0	17	16.0	48	8.0	1	-- ³
40+	17	6.0	3	-- ³	11	1.8	0	0.0
Education completed ²								
less than high school	41	15.1	8	8.2	39	7.7	3	-- ³
high school	114	41.9	38	39.2	196	38.7	16	50.0
some college	94	34.6	37	38.1	211	41.7	10	31.3
college graduate	16	5.9	9	9.3	51	10.1	3	-- ³
more than college	7	3.0	5	5.2	9	1.8	0	0.0
Marital status								
married	183	64.7	53	50.0	174	29.0	17	44.7
not married	100	35.3	53	50.0	426	71.0	21	55.3
Language preference								
English	142	50.2	106	100.0	595	99.2	35	92.1
Portuguese	0	0.0	0	0.0	0	0.0	1	-- ³
Haitian Creole	137	48.4	0	0.0	1	-- ³	1	-- ³
Other	4	-- ³	0	0.0	4	-- ³	1	-- ³

¹ Outside of the United States and U.S. Territories.

² Women 20 years of age and older.

³ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C4.2 Maternal Risk Factors by Ethnicity: Mattapan 1997-2000

	Haitian		Jamaican		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	283	100	106	100	600	100	38	100
Parity								
1	115	40.6	40	37.7	235	39.2	21	55.3
2-3	139	49.1	53	50.0	287	47.9	14	36.8
4+	29	10.2	13	12.3	77	12.9	3	-- ⁴
Smoking prior to pregnancy								
yes	7	2.5	0	0.0	77	12.8	8	21.1
no	276	97.5	106	100.0	523	87.2	30	78.9
Smoking during pregnancy								
yes	2	-- ⁴	0	0.0	48	8.0	5	13.2
no	281	99.3	106	100.0	552	92.0	33	86.8
Cesarean section ¹								
yes	75	26.5	24	23.1	138	23.0	6	15.8
no	208	73.5	80	76.9	462	77.0	32	84.2
Maternal conditions								
anemia	28	9.9	9	8.7	51	8.5	2	-- ⁴
hypertension ²	11	3.9	7	6.7	41	6.8	3	-- ⁴
diabetes ³	19	6.7	6	5.8	25	4.2	1	-- ⁴
hepatitis B carrier	5	1.8	0	0.0	2	-- ⁴	0	0.0
eclampsia	10	3.5	5	4.8	20	3.3	0	0.0
Previous preterm or small for gestational age infant								
yes	1	-- ⁴	0	0.0	11	1.8	0	0.0
no	282	99.6	104	100.0	589	98.2	38	100.0

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Includes both chronic and pregnancy-related hypertension.

³ Includes both gestational and other diabetes.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C4.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Mattapan 1997-2000

	Haitian		Jamaican		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	283	100	106	100	600	100	38	100
Adequate prenatal care ¹	174	62.6	79	76.0	432	73.0	21	55.3
Payment source ²								
private	91	32.2	55	51.9	233	38.9	18	48.6
public	187	66.1	49	46.2	362	60.4	19	51.4
self	1	-- ⁴	1	-- ⁴	0	0.0	0	0.0
Site of care								
physician's office	38	13.6	30	28.6	159	26.8	12	33.3
hospital clinic	127	45.4	29	27.6	198	33.4	10	27.8
community health center	81	28.9	28	26.7	136	22.9	10	27.8
HMO/other	34	12.1	18	17.1	100	16.9	4	-- ⁴
Breastfeeding ³								
yes	234	83.6	86	81.1	394	67.2	26	72.2
no	46	16.4	20	18.9	192	32.8	10	27.8
Pediatric provider named								
yes	262	92.6	94	88.7	509	84.8	33	86.8
no	21	7.4	12	11.3	91	15.2	5	13.2

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C4.4 Infant Health Characteristics by Ethnicity: Mattapan 1997-2000

	Haitian		Jamaican		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	283	100	106	100	600	100	38	100
Birthweight (g)								
< 1,500	4	-- ¹	5	4.7	27	4.5	0	0.0
1,500-2,499	21	7.4	8	7.5	64	10.7	3	-- ¹
2,500-3,999	237	84.0	81	76.4	461	76.8	34	89.5
4,000+	20	7.1	12	11.3	48	8.0	1	-- ¹
Gestational age (weeks)								
< 32	5	1.8	3	-- ¹	30	5.0	0	0.0
32 - 36	22	7.8	14	13.2	62	10.4	2	-- ¹
37 - 42	253	89.7	88	83.0	505	84.3	36	94.7
43+	2	-- ¹	1	-- ¹	2	-- ¹	0	0.0
Singleton birth	275	97.2	106	100.0	582	97.0	34	89.5
Multiple birth	8	2.8	0	0.0	18	3.0	4	-- ¹
Sex of infant: female	150	53.0	51	48.1	305	50.8	21	55.3
Abnormal conditions of newborn	85	30.0	25	23.6	139	23.2	6	15.8
jaundice	32	11.4	11	10.7	51	8.7	5	13.2

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C5.1 Mother's Demographic Characteristics by Ethnicity: Hyde Park 1997-2000

	Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	340	100	368	100	712	100
U.S. born	4	-- ³	346	94.3	651	91.4
Non - U.S. born ¹	335	98.8	21	5.7	61	8.6
Age, in years						
<18	1	-- ³	21	5.8	13	1.8
18-19	8	2.4	36	9.8	21	2.9
20-24	44	12.9	97	26.4	89	12.5
25-29	82	24.1	91	24.7	188	26.4
30-34	101	29.7	69	18.8	261	36.7
35-39	80	23.5	47	12.8	118	16.6
40+	24	7.1	7	1.9	22	3.1
Education completed ²						
less than high school	31	9.4	16	5.1	28	4.1
high school	137	41.5	95	30.5	226	33.3
some college	106	32.1	130	41.8	179	26.4
college graduate	48	14.5	51	16.4	176	26.0
more than college	8	2.7	19	6.1	69	10.2
Marital status						
married	233	68.5	121	32.9	525	73.7
not married	107	31.5	247	67.1	187	26.3
Language preference						
English	166	48.8	366	99.5	692	97.6
Portuguese	0	0.0	0	0.0	3	-- ³
Haitian Creole	154	45.3	0	0.0	0	0.0
Other	20	5.9	2	-- ³	14	2.0

¹ Outside of the United States and U.S. Territories.

² Women 20 years of age and older.

³ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C5.2 Maternal Risk Factors by Ethnicity: Hyde Park 1997-2000

	Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	340	100	368	100	712	100
Parity						
1	116	34.3	161	43.8	340	47.8
2-3	183	54.1	181	49.2	322	45.3
4+	39	11.5	26	7.1	49	6.9
Smoking prior to pregnancy						
yes	2	-- ⁴	43	11.7	145	20.4
no	338	99.4	325	88.3	567	79.6
Smoking during pregnancy						
yes	2	-- ⁴	26	7.1	96	13.5
no	338	99.4	342	92.9	616	86.5
Cesarean section ¹						
yes	97	28.5	92	25.3	158	22.2
no	243	71.5	272	74.7	553	77.8
Maternal conditions						
anemia	29	8.6	24	6.6	13	1.8
hypertension ²	32	9.5	27	7.4	46	6.5
diabetes ³	27	8.0	25	6.9	20	2.8
hepatitis B carrier	5	1.5	2	-- ⁴	1	-- ⁴
eclampsia	17	5.0	12	3.3	25	3.6
Previous preterm or small for gestational age infant						
yes	4	-- ⁴	6	1.7	8	1.1
no	334	98.8	357	98.3	696	98.9

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Includes both chronic and pregnancy-related hypertension.

³ Includes both gestational and other diabetes.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C5.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Hyde Park 1997-2000

	Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	340	100	368	100	712	100
Adequate prenatal care ¹	228	68.3	293	80.1	613	86.7
Payment source ²						
private	143	42.3	211	57.3	552	77.6
public	191	56.5	152	41.3	155	21.8
self	2	-- ⁴	2	-- ⁴	3	-- ⁴
Site of care						
physician's office	83	24.8	119	32.8	466	66.6
hospital clinic	134	40.0	127	35.0	135	19.3
community health center	58	17.3	40	11.0	34	4.9
HMO/other	60	17.9	77	21.2	65	9.3
Breastfeeding ³						
yes	253	75.3	238	64.9	453	64.0
no	83	24.7	129	35.1	255	36.0
Pediatric provider named						
yes	310	91.2	333	90.5	682	95.8
no	30	8.8	35	9.5	30	4.2

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C5.4 Infant Health Characteristics by Ethnicity: Hyde Park 1997-2000

	Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	340	100	368	100	712	100
Birthweight (g)						
< 1,500	14	4.1	16	4.3	10	1.7
1,500-2,499	34	10.0	38	10.3	44	6.2
2,500-3,999	260	76.5	293	79.6	546	76.7
4,000+	32	9.4	21	5.7	112	15.7
Gestational age (weeks)						
< 32	14	4.1	20	5.4	10	1.4
32 - 36	34	10.0	27	7.3	61	8.6
37 - 42	289	85.3	320	87.0	638	89.9
43+	2	-- ¹	1	-- ¹	1	-- ¹
Singleton birth	334	98.2	347	94.3	681	95.6
Multiple birth	6	1.8	21	5.7	31	4.4
Sex of infant: female	179	52.6	192	52.2	350	49.2
Abnormal conditions of newborn	109	32.1	77	20.9	118	16.6
jaundice	35	10.6	30	8.3	47	6.7

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C6.1 Mother's Demographic Characteristics by Ethnicity: Roslindale 1997-2000

	Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	111	100	158	100	1,077	100
U.S. born	2	-- ³	152	96.2	888	82.7
Non - U.S. born ¹	109	98.2	6	3.8	186	17.3
Age, in years						
<18	0	0.0	12	7.7	9	0.8
18-19	2	-- ³	17	10.8	17	1.6
20-24	10	9.0	34	21.5	93	8.6
25-29	40	36.0	37	23.4	240	22.3
30-34	27	24.3	35	22.2	383	35.6
35-39	22	19.8	20	12.7	278	25.8
40+	10	9.0	3	-- ³	57	5.3
Education completed ²						
less than high school	10	9.2	10	7.8	32	3.0
high school	40	36.7	43	33.3	215	20.5
some college	52	47.7	48	37.2	215	20.5
college graduate	6	5.5	16	12.4	326	31.0
more than college	1	-- ³	12	9.3	262	25.0
Marital status						
married	70	63.1	54	34.2	896	83.2
not married	41	36.9	104	65.8	181	16.8
Language preference						
English	59	53.2	158	100.0	1,021	94.8
Portuguese	0	0.0	0	0.0	5	0.5
Haitian Creole	47	42.3	0	0.0	0	0.0
Other	5	4.5	0	0.0	51	4.7

¹ Outside of the United States and U.S. Territories.

² Women 20 years of age and older.

³ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C6.2 Maternal Risk Factors by Ethnicity: Roslindale 1997-2000

	Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	111	100	158	100	1,077	100
Parity						
1	37	33.6	73	46.2	544	50.6
2-3	65	59.1	76	48.1	474	44.1
4+	8	7.3	9	5.7	57	5.3
Smoking prior to pregnancy						
yes	1	-- ⁴	19	12.0	149	13.8
no	110	99.1	139	88.0	927	86.2
Smoking during pregnancy						
yes	2	-- ⁴	10	6.3	89	8.3
no	109	98.2	148	93.7	987	91.7
Cesarean section ¹						
yes	28	25.2	24	15.2	212	19.7
no	83	74.8	134	84.8	864	80.3
Maternal conditions						
anemia	18	16.2	12	7.6	19	1.8
hypertension ²	10	9.0	18	11.4	56	5.3
diabetes ³	10	9.0	8	5.1	40	3.8
hepatitis B carrier	0	0.0	0	0.0	2	-- ⁴
eclampsia	3	-- ⁴	10	6.3	14	1.3
Previous preterm or small for gestational age infant						
yes	0	0.0	3	-- ⁴	4	-- ⁴
no	111	100.0	155	98.1	1,062	99.6

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Includes both chronic and pregnancy-related hypertension.

³ Includes both gestational and other diabetes.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C6.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Roslindale 1997-2000

	Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	111	100	158	100	1,077	100
Adequate prenatal care ¹	78	72.2	115	73.2	940	87.4
Payment source ²						
private	46	41.4	82	52.2	894	83.2
public	65	58.6	74	47.1	173	16.1
self	0	0.0	0	0.0	6	0.6
Site of care						
physician's office	36	32.4	51	32.5	705	66.3
hospital clinic	37	33.3	52	33.1	179	16.8
community health center	17	15.3	23	14.6	43	4.0
HMO/other	21	18.9	31	19.7	137	12.9
Breastfeeding ³						
yes	93	85.3	104	66.2	843	78.6
no	16	14.7	53	33.8	230	21.4
Pediatric provider named						
yes	105	94.6	136	86.1	1,024	95.1
no	6	5.4	22	13.9	53	4.9

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C6.4 Infant Health Characteristics by Ethnicity: Roslindale 1997-2000

	Haitian		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent
Number of births	111	100	158	100	1,077	100
Birthweight (g)						
< 1,500	2	-- ¹	3	-- ¹	12	1.3
1,500-2,499	10	9.0	12	7.6	41	3.8
2,500-3,999	96	86.5	131	82.9	874	81.2
4,000+	3	-- ¹	12	7.6	150	13.9
Gestational age (weeks)						
< 32	3	-- ¹	4	-- ¹	12	1.1
32 - 36	14	12.6	12	7.6	66	6.1
37 - 42	93	83.8	140	89.2	993	92.5
43+	1	-- ¹	1	-- ¹	3	-- ¹
Singleton birth	107	96.4	156	98.7	1,042	96.8
Multiple birth	4	-- ¹	2	-- ¹	35	3.2
Sex of infant: female	52	46.8	78	49.4	513	47.6
Abnormal conditions of newborn	39	35.1	38	24.1	149	13.8
jaundice	11	9.9	8	5.1	63	5.9

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C7.1 Mother's Demographic Characteristics by Ethnicity: South End and Jamaica Plain 1997-2000

	<u>South End</u>				<u>Jamaica Plain</u>			
	African-American		White		African-American		White	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	211	100	401	100	146	100	598	100
U.S. born	206	97.6	331	82.5	142	97.3	529	88.8
Non - U.S. born ¹	5	2.4	70	17.5	4	-- ³	67	11.2
Age, in years								
<18	11	5.2	2	-- ³	6	0.0	2	-- ³
18-19	23	10.9	6	1.5	15	10.3	2	-- ³
20-24	57	27.0	24	6.0	33	22.6	30	5.0
25-29	56	26.5	92	22.9	28	19.2	95	15.9
30-34	37	17.5	168	41.9	40	27.4	219	36.6
35-39	24	11.4	81	20.2	17	11.6	193	32.3
40+	3	-- ³	28	7.0	7	4.8	57	9.5
Education completed ²								
less than high school	25	14.1	8	2.0	13	10.4	4	-- ³
high school	73	41.2	28	7.1	37	29.6	48	8.1
some college	61	34.5	34	8.7	37	29.6	72	12.1
college graduate	14	7.9	184	46.8	24	19.2	190	32.0
more than college	4	-- ³	139	35.4	14	11.2	280	47.1
Marital status								
married	30	14.2	353	88.5	43	29.5	500	83.6
not married	181	85.8	46	11.5	103	70.5	98	16.4
Language preference								
English	209	99.1	385	96.0	145	99.3	588	98.3
Portuguese	0	0.0	1	-- ³	0	0.0	3	-- ³
Haitian Creole	0	0.0	0	0.0	0	0.0	0	0.0
Other	2	-- ³	15	3.7	1	-- ³	7	1.2

¹ Outside of the United States and U.S. Territories.

² Women 20 years of age and older.

³ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C7.2 Maternal Risk Factors by Ethnicity: South End and Jamaica Plain 1997-2000

	<u>South End</u>				<u>Jamaica Plain</u>			
	African-American		White Non-Hispanic		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	211	100	401	100	146	100	598	100
Parity								
1	87	41.2	310	77.7	65	44.8	372	62.3
2-3	93	44.1	85	21.3	58	40.0	215	36.0
4+	31	14.7	4	-- ⁴	22	15.2	10	1.7
Smoking prior to pregnancy								
yes	46	21.8	32	8.0	16	11.0	41	6.9
no	165	78.2	369	92.0	130	89.0	557	93.1
Smoking during pregnancy								
yes	30	14.2	13	3.2	13	8.9	18	3.0
no	181	85.8	388	96.8	133	91.1	580	97.0
Cesarean section ¹								
yes	42	20.0	78	19.5	44	30.6	116	19.4
no	168	80.0	322	80.5	100	69.4	481	80.6
Maternal conditions								
anemia	22	10.5	8	2.0	13	9.0	13	2.2
hypertension ²	14	6.7	21	5.3	12	8.3	39	6.5
diabetes ³	8	3.8	7	1.8	5	3.4	25	4.2
hepatitis B carrier	0	0.0	0	0.0	1	-- ⁴	0	0.0
eclampsia	4	-- ⁴	10	2.5	4	-- ⁴	4	-- ⁴
Previous preterm or small for gestational age infant								
yes	2	-- ⁴	2	-- ⁴	7	4.8	3	-- ⁴
no	208	99.0	398	99.5	138	95.2	593	99.5

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Includes both chronic and pregnancy-related hypertension.

³ Includes both gestational and other diabetes.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C7.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: South End and Jamaica Plain 1997-2000

	<u>South End</u>				<u>Jamaica Plain</u>			
	African-American		White Non-Hispanic		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	211	100	401	100	146	100	598	100
Adequate prenatal care ¹	139	67.5	332	83.0	116	81.1	544	91.1
Payment source ²								
private	59	28.0	356	89.4	64	43.8	538	90.0
public	151	71.6	39	9.8	82	56.2	56	9.4
self	1	-- ⁴	1	-- ⁴	0	0.0	2	-- ⁴
Site of care								
physician's office	46	22.0	217	54.9	43	29.7	358	60.3
hospital clinic	121	57.9	111	28.1	53	36.6	113	19.0
community health center	22	10.5	6	1.5	23	15.9	19	3.2
HMO/other	20	9.6	61	15.4	26	17.9	104	17.5
Breastfeeding ³								
yes	117	56.5	370	93.0	97	66.4	537	89.9
no	90	43.5	28	7.0	49	33.6	60	10.1
Pediatric provider named								
yes	178	84.4	371	92.5	129	88.4	569	95.2
no	33	15.6	30	7.5	17	11.6	29	4.8

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C7.4 Infant Health Characteristics by Ethnicity: South End and Jamaica Plain 1997-2000

	<u>South End</u>				<u>Jamaica Plain</u>			
	African-American		White Non-Hispanic		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	211	100	401	100	146	100	598	100
Birthweight (g)								
< 1,500	9	4.3	6	1.5	8	5.5	3	-- ¹
1,500-2,499	25	11.8	27	6.8	17	11.6	34	5.7
2,500-3,999	164	77.7	317	79.4	110	75.3	495	82.8
4000+	13	6.2	49	12.3	11	7.5	66	11.0
Gestational age (weeks)								
< 32	8	3.8	6	1.5	8	5.5	4	-- ¹
32 - 36	25	11.8	29	7.3	20	13.7	39	6.5
37 - 42	178	84.4	364	91.2	118	80.8	554	92.6
43+	0	0.0	0	0.0	0	0.0	1	-- ¹
Singleton birth	206	97.6	385	96.0	140	95.9	571	95.5
Multiple birth	5	2.4	16	4.0	6	4.1	27	4.5
Sex of infant: female	108	51.2	208	51.9	76	52.1	279	46.7
Abnormal conditions of newborn	48	22.7	52	13.0	34	23.3	93	15.6
jaundice	22	10.8	28	7.0	12	8.3	50	8.4

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C8.1 Mother's Demographic Characteristics by Ethnicity: Brighton-Allston and West Roxbury 1997-2000

	<u>Brighton-Allston</u>				<u>West Roxbury</u>			
	African-American		White		African-American		White	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	93	100	1,305	100	91	100	1,207	100
U.S. born	91	97.8	821	62.9	84	92.3	1,033	85.7
Non - U.S. born ¹	2	-- ³	484	37.1	7	7.7	173	14.3
Age, in years								
<18	4	-- ³	8	0.6	4	-- ³	3	-- ³
18-19	20	21.5	32	2.5	2	-- ³	19	1.6
20-24	23	24.7	164	12.6	20	22.0	69	5.7
25-29	19	20.4	378	29.0	34	37.4	267	22.1
30-34	17	18.3	493	37.8	24	26.4	515	42.7
35-39	9	9.7	183	14.0	4	-- ³	273	22.6
40+	1	-- ³	47	3.6	3	-- ³	61	5.1
Education completed ²								
less than high school	7	10.1	53	4.2	3	-- ³	15	1.3
high school	29	42.0	252	19.9	38	44.7	175	14.8
some college	13	18.8	230	18.2	25	29.4	253	21.4
college graduate	15	21.7	426	33.7	17	20.0	481	40.6
more than college	5	7.2	304	24.0	2	-- ³	261	22.0
Marital status								
married	27	29.0	1,078	82.6	26	28.6	1,116	92.5
not married	66	71.0	227	17.4	65	71.4	91	7.5
Language preference								
English	93	100.0	1,105	84.7	91	100.0	1,164	96.4
Portuguese	0	0.0	107	8.2	0	0.0	2	-- ³
Haitian Creole	0	0.0	0	0.0	0	0.0	0	0.0
Other	0	0.0	92	7.1	0	0.0	41	3.4

¹ Outside of the United States and U.S. Territories.

² Women 20 years of age and older.

³ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C8.2 Maternal Risk Factors by Ethnicity: Brighton-Allston and West Roxbury 1997-2000

	<u>Brighton-Allston</u>				<u>West Roxbury</u>			
	African-American		White		African-American		White	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	93	100	1,305	100	91	100	1,207	100
Parity								
1	44	47.3	775	59.4	22	24.2	569	47.1
2-3	41	44.1	472	36.2	60	65.9	572	47.4
4+	8	8.6	57	4.4	9	9.9	66	5.5
Smoking prior to pregnancy								
yes	14	15.1	175	13.4	6	6.6	122	10.1
no	79	84.9	1,129	86.6	85	93.4	1,085	89.9
Smoking during pregnancy								
yes	8	8.6	97	7.4	2	-- ⁴	56	4.6
no	85	91.4	1,207	92.6	89	97.8	1,151	95.4
Cesarean section ¹								
yes	22	23.7	293	22.5	22	24.2	250	20.7
no	71	76.3	1,010	77.5	69	75.8	955	79.3
Maternal conditions								
anemia	9	9.7	23	1.8	5	5.5	19	1.6
hypertension ²	10	10.8	76	5.9	8	8.8	74	6.2
diabetes ³	7	7.5	37	2.9	3	-- ⁴	36	3.0
hepatitis B carrier	0	0.0	0	0.0	0	0.0	0	0.0
eclampsia	6	6.5	14	1.1	2	-- ⁴	18	1.5
Previous preterm or small for gestational age infant								
yes	0	0.0	5	0.4	2	-- ⁴	5	0.4
no	93	100.0	1,292	99.6	89	97.8	1,185	99.6

¹ Includes both primary and repeat Cesarean sections. Excludes those with unknown mode of delivery.

² Includes both chronic and pregnancy-related hypertension.

³ Includes both gestational and other diabetes.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C8.3 Prenatal and Postnatal Care Characteristics of Mothers by Ethnicity: Brighton-Allston and West Roxbury 1997-2000

	<u>Brighton-Allston</u>				<u>West Roxbury</u>			
	African-American		White Non-Hispanic		African-American		White Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	93	100	1,305	100	91	100	1,207	100
Adequate prenatal care ¹	64	68.8	1,085	83.7	74	81.3	1,100	91.4
Payment source ²								
private	38	40.9	989	75.8	49	53.8	1,096	91.3
public	55	59.1	296	22.7	41	45.1	95	7.9
self	0	0.0	18	1.4	0	0.0	4	-- ⁴
Site of care								
physician's office	26	28.0	827	64.2	30	33.0	877	73.8
hospital clinic	46	49.5	252	19.6	28	30.8	142	12.0
community health center	9	9.7	51	4.0	16	17.6	17	1.4
HMO/other	12	12.9	158	12.3	17	18.7	152	12.8
Breastfeeding ³								
yes	60	64.5	1,084	83.3	59	66.3	921	76.8
no	33	35.5	217	16.7	30	33.7	279	23.3
Pediatric provider named								
yes	84	90.3	1,250	95.8	81	89.0	1,149	95.2
no	9	9.7	55	4.2	10	11.0	58	4.8

¹ Adequate prenatal care: See technical notes for definition of adequacy of care.

² Payment source:

Private = Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance

Public = Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care); or free care

Self = Self-pay

³ Mother was breastfeeding or was intending to breastfeed at the time the birth certificate was completed.

⁴ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

Table C8.4 Infant Health Characteristics by Ethnicity: Brighton-Allston and West Roxbury 1997-2000

	<u>Brighton-Allston</u>				<u>West Roxbury</u>			
	African-American		White		African-American		White	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Number of births	93	100	1,305	100	91	100	1,207	100
Birthweight (g)								
< 1,500	7	7.5	11	0.8	3	-- ¹	15	1.2
1,500-2,499	9	9.7	70	5.4	7	7.7	54	4.5
2,500-3,999	72	77.4	1,046	80.2	71	78.0	967	80.2
4000+	5	5.4	177	13.6	10	11.0	170	14.1
Gestational age (weeks)								
< 32	7	7.5	14	1.1	2	-- ¹	14	1.2
32 - 36	8	8.6	79	6.1	8	8.8	73	6.1
37 - 42	78	83.9	1,197	92.1	80	87.9	1,117	92.7
43+	0	0.0	9	0.7	1	-- ¹	1	-- ¹
Singleton birth	87	93.5	1,247	95.6	89	97.8	1,151	95.4
Multiple birth	6	6.5	58	4.4	2	-- ¹	56	4.6
Sex of infant: female	45	48.4	624	47.8	36	39.6	570	47.2
Abnormal conditions of newborn	30	32.3	151	11.6	13	14.3	171	14.2
jaundice	8	8.6	65	5.0	6	6.7	81	6.7

¹ Percentages based on fewer than five events are excluded.

Note: Percentages may not add to 100% due to missing values. Percentages are calculated based only on those births with known values for the characteristic of interest.

Total numbers for individual characteristics may not equal totals for a particular ethnic group due to missing values.

APPENDIX
TECHNICAL NOTES

Technical Notes

Limitations of small numbers:

Cells in some tables in this publication, and particularly those tables specific to the individual cities and towns, contain small numbers and are suppressed in accordance with the guidelines set forth by the MDPH-BHSR&E for suppression of confidential data. Proportions based upon less than five observations are suppressed, and trends based upon small numbers should be interpreted cautiously.

Self-reported data

Many items used in this publication, such as maternal smoking and type of health insurance coverage, are self-reported, and are subject to the usual limitations of this type of information.

Assignment of an Infant's Race/Ethnicity

Prior to 1989, the race/ethnicity of an infant was assigned by combining information on the race/ethnicity of the mother and the race/ethnicity of the father. Since 1989, Massachusetts has followed the recommendation of the National Center for Health Statistics of classifying births according to the self-reported race/ethnicity of the mother. Therefore, beginning in 1989, the race/ethnicity of an infant is identical to the self-reported race/ethnicity of the infant's mother.

The race variable was used to identify mothers for inclusion in this report. Mothers who selected Black as their race were included in this report. This report then utilizes the Ancestry/Ethnicity field from the birth certificate to select subgroups within those reporting Black as their race. The actual question on the birth certificate reads: "Please check one box which you feel best describes the mother's ancestry". A list of 42 ancestry groups is available from which to choose. The categories used for analysis in this report are: Cape Verdean, Haitian, Jamaican, Barbadian, Other West Indian/Caribbean, African American, Nigerian, and Other African.

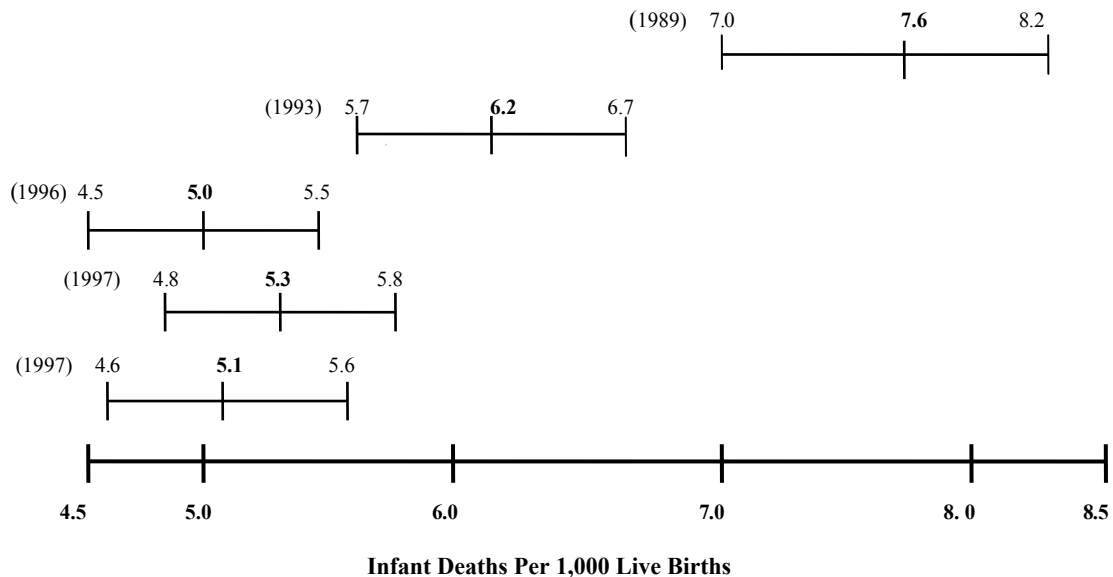
Confidence Intervals and Infant Mortality Rates

The confidence interval (CI) provides a measure of stability of the IMR and a basis for comparing rates to determine if they are statistically different. Rates can be compared for the same group in different years, or for different groups in the same year. The width of the CI reflects the stability of the IMR. For example, a narrow CI reflects high stability, and a wide interval reflects low stability. If the CIs around two IMRs being compared do not overlap, the difference between the two rates is statistically significant. The following table and chart illustrate the concept of statistically significant differences using actual data from 1989 and 1992-1998.

CONFIDENCE INTERVALS AND INFANT MORTALITY RATES

Comparison of Infant Mortality Rates and Confidence Intervals for Selected Years

Year	IMR (per 1,000 births)	95% Confidence Interval
1989	7.6	(7.0-8.2)
1992	6.5	(6.0-7.0)
1993	6.2	(5.7-6.7)
1994	6.0	(5.4-6.5)
1995	5.1	(4.6-5.6)
1996	5.0	(4.5-5.5)
1997	5.3	(4.8-5.8)
1998	5.1	(4.6-5.6)



The difference between the 1993 IMR and 1996 IMR is statistically significant – the confidence intervals do not overlap. The same is true for the differences between the 1989 IMR and the annual IMRs for 1993, 1996, 1997, and 1998.

Census Re-Allocation

Respondents who indicated “Some other race alone” or “some other race in combination with other races”, and those who indicated that they were “Two or more races” were reallocated to the MDPH traditional “major” race categories: White, Black, American Indian, and Asian and Pacific Islander. They were reallocated to the race categories by town in proportion to the percentage of major race “alone” respondents for that town. For example, if a town had 30% Black alone, and 100 persons said that they were black and white in combination, then 30 persons (30%) were added to the number of Blacks and 70 were added to the number of Whites.

Definition of Boston Neighborhoods

The following are the current MISER/MDPH definitions of Boston neighborhoods. These neighborhoods are defined by census tracts and are currently being used by MassCHIP and other MDPH researchers.

Neighborhood	Census tracts
Back Bay	0101-0108
Brighton/Allston	0001-0008
Charlestown	0401-0408
North Dorchester	0901-0924
South Dorchester	1001-1009
East Boston	0501-0512
Harbor Islands	1501
Hyde Park	1401-1404
Jamaica Plain	1201-1207
Mattapan	1010-1011
North End	0301-0305
Roslindale	1101-1106
Roxbury	0801-0821
South Boston	0601-0614
South End	0701-0712
West End	0201-0203
West Roxbury	1301-1304

Glossary

Abnormal Conditions

If at least one condition is recorded on the birth certificate from the following list: acidosis, anemia, congenital infection, cyanosis, Erb's palsy, or other birth trauma, fetal alcohol syndrome, hyaline membrane disease /RDS, hypotonia, hypoxia, intracranial hemorrhage, jaundice, meconium aspiration syndrome, positive toxicology screen, seizures, sepsis, tachypnea or other abnormal conditions.

Anemia

Hemoglobin level of less than 13.0g/dL, or a hemocrit of less than 39%.

Adequacy of Prenatal Care

The Index of Adequacy of Prenatal Care (based on the Kessner Index) has five categories (adequate, intermediate, inadequate, no prenatal care, and unknown), based on the trimester in which prenatal care began and the number of prenatal visits. It is a quantitative measure and is not a measure of quality of care. The general classification scheme for full-term infants is as follows:

Category	Trimester Care Began	Number of Visits
Adequate	1	9 or more
Intermediate	1	5-8
	2	5 or more
	3	1 or more
Inadequate	1	1-4
	2	1-4
	3	1 or more
No prenatal care	--	0
Unknown	Unknown	unknown

This classification is adjusted for gestational age to allow for proper classification of premature births.

Birthweight

The weight of an infant recorded at the time of delivery. It may be recorded in either pounds/ounces or grams. If recorded in pounds/ounces, it is converted to grams for use in this report.

1 pound = 453.6 grams

1,000 grams = 2 pounds and 3 ounces

Birthweight Categories

Low birthweight (LBW): An infant's weight of less than 2,500 grams (5.5 pounds) recorded at birth.

Very low birthweight (VLBW): An infant's weight of less than 1,500 grams (3.3 pounds) recorded at birth.

Breastfeeding

Mother was or was intending to breastfeed at the time the birth certificate was completed.

Cesarean Section or C-Section

Primary: A mother's first Cesarean section delivery.

Repeat: A Cesarean delivery that has been preceded by at least one Cesarean delivery.

Continental U.S.-Born

Born in the continental United States (50 states or DC) not including women born in Puerto Rico, the Virgin Islands, or Guam.

Diabetes

Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy.

Early Gestational Age or Preterm

Infants born before the completion of 37 weeks of gestation.

Eclampsia

A medical condition that affects women during or shortly after pregnancy. The condition may involve hypertension, edema, proteinuria, convulsions and coma.

Education

The number of years of education completed is provided by the mother on the birth certificate by the mother. The analysis of education presented in this report is limited to women 20 years of age and older.

Ethnicity

See the section in the Technical Notes titled: Assignment of an Infant's Race/Ethnicity

Fetal Death

A stillbirth delivered, extracted or expelled, at 20 weeks gestation or more and / or weighs 350 grams or more.

Feto-Infant Deaths

The total of all fetal and infant deaths combined.

Feto-Infant Mortality Rate

The feto-infant mortality rate is calculated by dividing the number of fetal and infant deaths by the total number of live births and fetal deaths, and then multiplying by 1,000. The rate represents the number of feto-infant deaths per 1,000 fetal deaths and live births.

Gestational Age

Gestational age refers to the number of weeks the infant was in utero. Infants born before the mother completed the 37th week of pregnancy are considered early gestational age or preterm.

HMO

Health Maintenance Organization.

Healthy Start

A Massachusetts-funded program providing services and financing for prenatal care to low-income pregnant women who lack health insurance, but do not qualify for Medicaid.

Hepatitis B Carrier

An individual with ongoing evidence of infection with hepatitis B virus, as determined by the presence of hepatitis B surface antigen in the blood, likely to be more than six months after an acute episode of hepatitis B virus infection.

Hypertension

This includes both chronic and pregnancy-related hypertension or high blood pressure.

Infant Death

Death of a child whose age is less than one year.

Jaundice

A syndrome characterized by high levels of bilirubin (a bilirubin count greater than 10) and a yellowing of the patient's skin.

Language Preference

Information on the mother's language preference is collected from the mother at the time of birth, based on the birth certificate question, "In what language does the mother prefer to read or discuss health-related materials?"

Live Birth

A live birth is any infant who breathes or shows any other evidence of life (such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles) after separation from the mother's uterus, regardless of the duration of gestation.

Low Birthweight (LBW)

See Birthweight Categories.

MISER

MISER is the acronym for the Massachusetts Institute for Social and Economic Research. MISER, which is the official state data center for the U.S. Census, generates the current population data for the number of Massachusetts residents.

NCHS

National Center for Health Statistics (U.S. Department of Health and Human Services, Centers for Disease Control and Prevention).

Neonatal Death

Death of an infant whose age is less than 28 days.

Pediatric Provider

Information is collected from the following item on the birth certificate: 'Pediatric Provider- Individual Practitioner's Name'.

Perinatal Periods of Risk Model

The Perinatal Periods of Risk Model was first developed by Dr. Brian McCarthy and colleagues from the W.H.O. Perinatal Collaborative Center at CDC. It is a model used to monitor and investigate fetoinfant mortality and is based on a conceptual prevention framework. Fetal and infant deaths are categorized into 4 "periods of risk", based on time period of death and weight at delivery, and each period of risk indicates a different focus of prevention (Maternal Health/Prematurity, Maternal Care, Newborn Care, Infant Health).

Postneonatal Death

Death of a child whose age is at least 28 days, but less than one year (365 days).

Private Insurance

Commercial indemnity plan, commercial managed care (HMO, PPO/IPP/IPA, and other), or other private insurance.

Public Insurance

Government programs including Commonwealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care), or free care.

Occurrence Birth

A birth occurring in the Commonwealth of Massachusetts, regardless of the residency of the mother. For individual cities/towns, an occurrence birth represents any birth occurring in that city/town, regardless of the residence of the mother. See Resident Birth.

Parity

The total number of live infants ever born to a woman, including the current birth.

Plurality

The number of births to a woman produced in the same gestational period. A singleton is the birth of one infant, twins represent the births of two infants, etc.

Race

See the section in the Technical Notes titled: Assignment of an Infant's Race/Ethnicity

Resident Birth

The birth of an infant whose mother reports her usual place of residence is in Massachusetts. In Massachusetts, a resident is a person with a permanent address in one of the 351 cities or towns. Vital statistics data may be presented in terms either of residence or occurrence. All data in this publication are resident data. Resident data include all events that occur to residents of the Commonwealth, wherever they occur. Occurrence data include all events that occur within the state, whether to residents or nonresidents. There is an exchange agreement among the 50 states, District of Columbia, Puerto Rico, Virgin Islands, Guam, and Canada that provides for exchange of copies of birth and death records. These records are used for statistical purposes only, and allow each state or province to track the births and deaths of its residents.

Small for Gestational Age

The measurement of “small for gestational age” refers to the weight of the infant after taking into consideration the number of completed weeks of pregnancy.

Smoking

Information on smoking status, both before pregnancy and during pregnancy, is provided on the birth certificate by the mother.

Unmarried

Mothers who were unmarried within 300 days of delivering their infants.

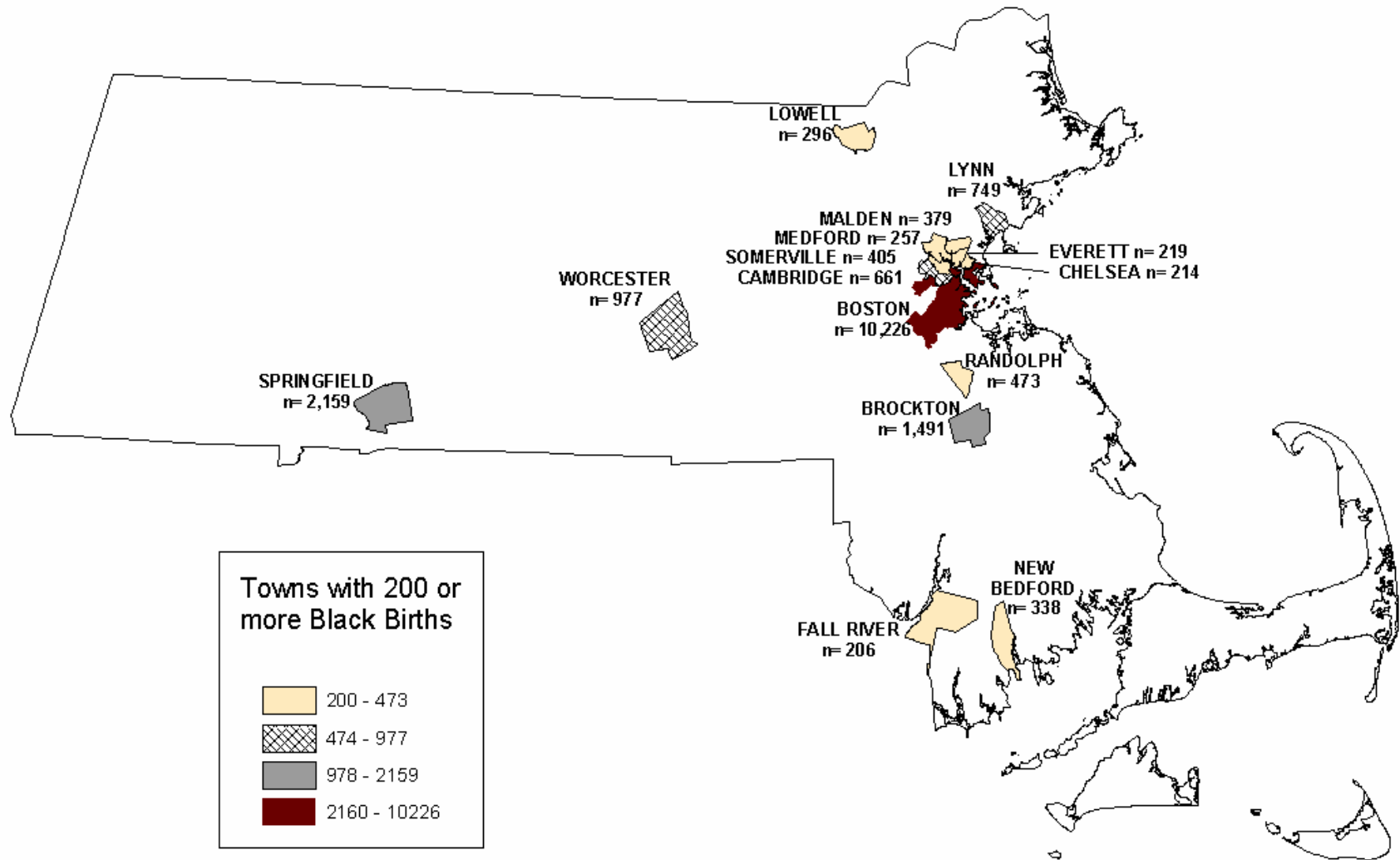
U.S.-born

Born in the United States, its possessions, or its protectorates. Those born in Puerto Rico, the U.S. Virgin Islands, and Guam are considered U.S.-born.

Very Low Birthweight (VLBW)

See Birthweight Categories.

Massachusetts Black Births 1997-2000



Boston Neighborhoods

